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ABSTRACT

The 4th in a series of bibliographies on outdoor education, this document lists approximately 84 documents and 60 journal articles. Part I contains citations and abstracts which appeared in "Research in Education" from 1964 to 1973. Part II lists journal citations and annotations listed in the "Current Index to Journals in Education" from Fall/Winter 1971 to June 1973. In addition to outdoor education, the document also contains references for conservation, recreation, science, ecology, and natural resources. Types of materials include research reports, program descriptions, instructional materials, and teaching guides. A subject index is given at the end of the publiction. (KM)

ED 087582

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OUTDOOR EDUCATION

A SELECTED BIBLIOGRAPHY

(with ERIC Abstracts)

ERIC/CRESS Supplement No. 3

ERIC/CRESS

February 1974

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EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)

CLEARINGHOUSE ON RURAL EDUCATION AND SMALL SCHOOLS (CRESS)

New Mexico State University

Las Cruces, New Mexico 88003

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The booklet may be duplicated in whole or in part, whenever such duplication is in the interest of bettering education.

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PREVIOUS BIBLIOGRAPHIES:

Outdoor Education, A Selected Bibliography (ED 037 285)

Outdoor Education, A Selected Bibliography. *Supplement No. 1* (ED 055 702)

Outdoor Education, A Selected Bibliography (*with ERIC Abstracts*). *ERIC/CRESS Supplement No. 2* (ED 073 903)

INTRODUCTION

The Educational Resources Information Center (ERIC) is a federally funded national information system dedicated to the improvement of education through the dissemination of educational resources and research-related materials. ERIC aids school administrators, teachers, researchers, information specialists, professional organizations, students, and others in locating and using educational resources.

Each of the ERIC network centers focuses on a separate area (or areas) of education (for a listing of the individual clearinghouses, readers should consult a current issue of Research in Education). It is the responsibility of the ERIC Clearinghouse on Rural Education and Small Schools (CRESS) to collect materials related to rural education and small schools, and American Indian, Mexican American, migrant, and outdoor education and to input these materials into the national ERIC system.

A main function of the ERIC system is to process documents other than current journal articles for announcement in Research in Education (RIE), a monthly publication containing abstracts of research, research-related reports, and resource materials in education as input by the various clearinghouses. In addition, ERIC compiles the Current Index to Journals in Education (CIJE), a monthly index which provides citations from more than seven hundred major publications: journals, quarterlies, annuals, and yearbooks.

About the Bibliography

The present bibliography was compiled to provide access to some of the latest research findings or developments in outdoor education. The present bibliography is a supplement to three previous ERIC/CRESS publications. The previously published bibliographies, in conjunction with the present supplement, comprise a series of bibliographies designed to provide cumulative coverage of outdoor education throughout the currently available issues of RIE and CIJE. (It should be noted that microfiche and hard copy prices in the previously published bibliographies do not reflect current ERIC Document Reproduction Service pricing; however, prices given therein may be computed as per the instructions on the order blank appended to the present bibliography.)

In conducting the computer search of the ERIC tapes for the purpose of compiling this bibliography, the only term used was OUTDOOR. The output was then screened for relevancy to outdoor education.

Sources of Material

Research in Education. Part I of the present supplement contains citations and abstracts which have appeared in RIE from the October 1972 issue through the December 1973 issue. RIE contains subject, author, and institution indexes, along with document resumes which include the ERIC accession number, author(s), title source(s), date of publication, ERIC Document Reproduction Service prices or an alternate availability, and the abstract.

For the subject index, two types of descriptive terms are available for RIE, as well as CIJE: descriptors and identifiers. Descriptors are technically meaningful terms or short phrases that have been incorporated into the Thesaurus of ERIC Descriptors. Descriptors are used to characterize the document and for indexing and retrieval purposes. Only major descriptors (those preceded by an asterisk) are used for indexing purposes in this bibliography.

Proper names of persons, geographical locations, trade names, and so on may be important in describing a document. These terms, called identifiers, are not found in the Thesaurus. Identifiers are included with the citations in RIE for descriptive purposes. Major identifiers (those preceded by an asterisk) are not indexed in this bibliography.

When using the RIE section of this bibliography, the reader is encouraged (1) to utilize the subject index in identifying relevant materials, (2) to examine the resumes to determine appropriateness of materials, and (3) to obtain microfiche or hard copy reproductions of documents from ERIC Document Reproduction Service. The reproductions must be ordered as described on the order blank appended to the present bibliographic supplement.

The reader is reminded that there are numerous complete microfiche collections of ERIC materials throughout the nation which may be used by the public; please contact the Information Specialist at ERIC/CRESS for information on locations of these collections.

Current Index to Journals in Education. Part II of this supplement, CIJE coverage, includes citations from CIJE beginning with the October 1972 issue and continuing through the December 1973 issue. Entries listed in the CIJE section of this bibliography are processed in a slightly different manner than are RIE citations. Brief annotations take the place of RIE abstracts. Furthermore, annotations are provided only when it is thought that the article being processed cannot be described adequately by a combination of major and minor descriptors, identifiers, and information in the title. Each journal citation includes the publication date, article title, personal author(s), journal title (sometimes abbreviated), and information on the volume, number, and pages. Please note that there are two CIJE entries per page.

Since CIJE entries are not available from ERIC Document Reproduction Service, the reader is encouraged to take advantage of his local library in locating the journals he wishes to use.

The Subject Index

A combined RIE and CIJE index is provided at the end of the present bibliography to assist the user in locating citations pertaining to a given subject area within the realm of outdoor education. The index terms, descriptors under which the citations were indexed in RIE or CIJE, are from the Thesaurus of ERIC Descriptors. Only major descriptors (those preceded by an asterisk) are indexed; major identifiers are not indexed in this bibliography.

Each citation in the bibliography is headed by an ERIC accession number. Entries from RIE are assigned an ED number; those from CIJE are assigned an EJ number. In both the RIE and CIJE sections, the citations appear in numerical order according to the accession number. The citations are referenced in the index by the accession number.

Ordering Information

Publications cited in Part I of this bibliography are either available from ERIC Document Reproduction Service (EDRS) or an alternate availability is given with the citation. Prices for microfiche (MF) or hard copy (HC) reproductions from EDRS are provided with each citation.

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Document Contributions

Persons desiring to contribute materials such as those cited in this bibliography may do so by sending one copy (two if available) to

ERIC/CRESS Acquisitions
New Mexico State University
Box 3 AP
Las Cruces, New Mexico 88003.

PART I: CITATIONS FROM
RESEARCH IN EDUCATION

1/2

ACCESSION NUMBER: ED063703

PUBLICATION DATE: MAY 72

TITLE: GUIDE TO AVOCATIONAL ACTIVITIES. VOLUME I.

PERSONAL AUTHOR: OVERS, ROBERT P.; AND OTHERS

DESCRIPTOR: ATHLETIC EQUIPMENT; ATHLETICS; ENVIRONMENTAL INFLUENCES; *EXCEPTIONAL CHILD EDUCATION; *GAMES; GUIDELINES; *HANDICAPPED CHILDREN; *OUTDOOR EDUCATION; *PHYSICAL ACTIVITIES; PSYCHOLOGY; SOCIAL INFLUENCES

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$9.87

DESCRIPTIVE NOTE: 204P.

GUIDELINES ARE PROVIDED FOR CHOOSING AVOCATIONAL ACTIVITIES FOR HANDICAPPED PERSONS. ACTIVITY DESCRIPTIONS ARE MADE FOR 83 TYPES OF GAMES, 98 KINDS OF SPORT ACTIVITIES, AND 104 NATURE RELATED ACTIVITIES. (THE FOLLOWING VOLUME CONTAINS ACTIVITY DESCRIPTIONS FOR ADDITIONAL ACTIVITIES. SEE EC 042 139.) INFORMATION CONCERNING AVOCATIONAL ACTIVITIES IS PRESENTED IN TWO FORMS. FIRST, A CHECK LIST IS PROVIDED AND INCLUDES INFORMATION SUCH AS A LISTING OF ENVIRONMENTAL FACTORS, SOCIAL PSYCHOLOGICAL FACTORS ASSOCIATED WITH THE ACTIVITY, POSSIBLE COST OF EQUIPMENT AND NEEDED SUPPLIES TO PURSUE THE ACTIVITY, AN ESTIMATE ON WHETHER THE ACTIVITY IS WITHIN THE PHYSICAL AND/OR MENTAL CAPACITY OF AN INDIVIDUAL WITH A SPECIFIED IMPAIRMENT, REFERENCES, AND AN ESTIMATE OF THE RANGE OF ENERGY EXPENDITURE. A BRIEF NARRATIVE DESCRIPTION THEN FOLLOWS THE CHECK LIST. THE NARRATIVE CONTAINS A GENERAL DESCRIPTION OF THE KIND OF ACTIVITY INVOLVED AND ITS RELATIONSHIP TO VARIOUS IMPAIRMENTS. NO ATTEMPT IS MADE TO EXPLAIN ACTIVITY RULES AND REGULATIONS. THE DEWEY DECIMAL AND LIBRARY OF CONGRESS CODE NUMBERS ARE PRESENTED AT THE BEGINNING OF EACH NARRATIVE. (FOR THE QUICK FIND LIST, SEE EC 042 140.) (CB)

ACCESSION NUMBER: ED063704

PUBLICATION DATE: MAY 72

TITLE: GUIDE TO AVOCATIONAL ACTIVITIES. VOLUME II.

PERSONAL AUTHOR: OVERS, ROBERT P.; AND OTHERS

DESCRIPTOR: *ART; ATHLETIC EQUIPMENT; ATHLETICS; ENVIRONMENTAL INFLUENCES; *EXCEPTIONAL CHILD EDUCATION; GAMES; GUIDELINES; *HANDICAPPED CHILDREN; *HANDICRAFTS; *MUSIC; OUTDOOR EDUCATION; PHYSICAL ACTIVITIES; PSYCHOLOGY; SOCIAL INFLUENCES; VOLUNTEERS

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$9.87

DESCRIPTIVE NOTE: 206P.

THE SECOND VOLUME OF GUIDELINES ON CHOOSING AVOCATIONAL ACTIVITIES FOR HANDICAPPED PERSONS IS PRESENTED. (FOR FIRST VOLUME, SEE EC 042 138.) ACTIVITY DESCRIPTIONS ARE MADE FOR 88 COLLECTION ACTIVITIES, 84 CRAFT ACTIVITIES, 83 ART AND MUSIC ACTIVITIES, 88 EDUCATIONAL, ENTERTAINMENT, AND CULTURAL ACTIVITIES, 98 VOLUNTEER ACTIVITIES, AND 88 ORGANIZATIONAL ACTIVITIES. INFORMATION CONCERNING AVOCATIONAL ACTIVITIES IS PRESENTED IN TWO FORMS. FIRST, A CHECK LIST IS PROVIDED AND INCLUDES INFORMATION SUCH AS A LISTING OF ENVIRONMENTAL FACTORS, SOCIAL PSYCHOLOGICAL FACTORS ASSOCIATED WITH THE ACTIVITY, POSSIBLE COST OF EQUIPMENT AND NEEDED SUPPLIES TO PURSUE THE ACTIVITY, AN ESTIMATE ON WHETHER THE ACTIVITY IS WITHIN THE PHYSICAL AND/OR MENTAL CAPACITY OF AN INDIVIDUAL WITH A SPECIFIED IMPAIRMENT, REFERENCES, AND AN ESTIMATE OF THE RANGE OF ENERGY EXPENDITURE. A BRIEF NARRATIVE DESCRIPTION THEN FOLLOWS THE CHECK LIST. THE NARRATIVE CONTAINS A GENERAL DESCRIPTION OF THE KIND OF ACTIVITY INVOLVED AND ITS RELATIONSHIP TO VARIOUS IMPAIRMENTS. NO ATTEMPT IS MADE TO EXPLAIN ACTIVITY RULES AND REGULATIONS. THE DEWEY DECIMAL AND LIBRARY OF CONGRESS CODE NUMBERS ARE PRESENTED AT THE BEGINNING OF EACH NARRATIVE. (FOR THE QUICK FIND LIST, SEE EC 042 140.) (CB)

ACCESSION NUMBER: ED063705

PUBLICATION DATE: MAY 72

TITLE: GUIDE TO AVOCATIONAL ACTIVITIES. VOLUME III.

PERSONAL AUTHOR: OVERS, ROBERT P.; AND OTHERS

DESCRIPTOR: *ART; ATHLETIC EQUIPMENT; ATHLETICS; ENVIRONMENTAL INFLUENCES; *EXCEPTIONAL CHILD EDUCATION; *GAMES; GUIDELINES; *HANDICAPPED CHILDREN; HANDICRAFTS; MUSIC; OUTDOOR EDUCATION; *PHYSICAL ACTIVITIES; PSYCHOLOGY; SOCIAL INFLUENCES; VOLUNTEERS

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$3.29

DESCRIPTIVE NOTE: 31P.

A QUICK FIND LIST TO AVOCATIONAL ACTIVITIES IS PROVIDED. THE AVOCATIONAL ACTIVITIES HAVE BEEN DESCRIBED IN THE PREVIOUS TWO VOLUMES; SEE EC 042 138-9. UNDER EACH ENVIRONMENTAL FACTOR, SOCIAL PSYCHOLOGICAL FACTOR, AND IMPAIRMENT AND ENERGY EXPENDITURE RANGE ARE LISTED APPROPRIATE CODES FOR AVOCATIONAL ACTIVITIES IN WHICH THESE FACTORS AND IMPAIRMENTS ARE RELEVANT. ONLY THOSE IMPAIRMENTS CODED CAN DO, CAN DO WITH MODIFICATIONS, AND CAN DO SOME OF THE ACTIVITIES ARE LISTED. AN INDEX IS ALSO INCLUDED. (CB)

ACCESSION NUMBER: ED063984

PUBLICATION DATE: 70

TITLE: RALEIGH COUNTY SCHOOLS, OUTDOOR EDUCATION: CONFERENCE & SERVICE COMPLEX.

DESCRIPTOR: ASTRONOMY; BIOLOGICAL SCIENCES; *CAMPING; *CURRICULUM PLANNING; EARTH SCIENCE; *INSERVICE TEACHER EDUCATION; *INSTRUCTIONAL MATERIALS; LANGUAGE ARTS; MATHEMATICS; MUSIC; *OUTDOOR EDUCATION; PHYSICAL EDUCATION; SOCIAL SCIENCES

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$6.58

DESCRIPTIVE NOTE: 169P.

A PROPOSED OUTDOOR EDUCATION CONFERENCE AND SERVICE COMPLEX IN RALEIGH COUNTY, WEST VIRGINIA, THAT WILL OFFER OPPORTUNITIES FOR AN OUTDOOR EDUCATION PROGRAM CLOSELY CORRELATED WITH CLASSROOM ACTIVITIES IS DISCUSSED IN THIS DOCUMENT. THE SITE IS DESCRIBED, AND SUGGESTED UNITS FOR STUDY DURING THE RESIDENT PROGRAM FOR 6TH-GRADE PUPILS ARE PRESENTED IN THE AREAS OF LANGUAGE ARTS, LIFE SCIENCE, MATHEMATICS, SOCIAL STUDIES, ASTRONOMY, EARTH SCIENCE, MUSIC, AND PHYSICAL EDUCATION. INFORMATION CONCERNING THE DEVELOPMENT OF A SCHOOL MUSEUM IS ALSO PROVIDED. (PS)

ACCESSION NUMBER: ED063989

PUBLICATION DATE: 71

TITLE: ENVIRONMENT--A WAY OF TEACHING (GRADES K-12).

PERSONAL AUTHOR: LUNDSTROM, DONALD; AND OTHERS

DESCRIPTOR: ACTIVITY LEARNING; AGENCIES; CONSERVATION EDUCATION; *CURRICULUM GUIDES; ECOLOGY; EDUCATIONAL LEGISLATION; ENRICHMENT ACTIVITIES; *ENVIRONMENTAL EDUCATION; LIBRARY MATERIALS; MENTAL HEALTH; *OUTDOOR EDUCATION; PHYSICAL EDUCATION; *RESOURCE MATERIALS; *TEACHING METHODS

IDENTIFIER: CALIFORNIA

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$3.29

DESCRIPTIVE NOTE: 99P.

RESOURCE INFORMATION AND IDEAS FOR CURRICULUM PROGRAMS RELATED TO THE STUDY OF THE ENVIRONMENT ARE PRESENTED IN THIS RESOURCE GUIDE FOR ELEMENTARY AND SECONDARY TEACHERS. ACTIVITIES IN THE OUTDOORS AND ACTION PROGRAMS REPRESENTATIVE OF RECENT DISTRICT AND COUNTY ACTIVITIES IN ALAMEDA COUNTY, CALIFORNIA, ARE DISCUSSED. A LIST OF RESOURCES, AGENCIES, ORGANIZATIONS, AND PROGRAMS, AND A BIBLIOGRAPHY OF LIBRARY MATERIALS ARE ALSO PROVIDED. THE APPENDICES INCLUDE (1) THE CALIFORNIA STATE EDUCATION CODE AND (2) FEDERAL AND STATE LAWS AND REGULATIONS PERTAINING TO THE ENVIRONMENT. (NC)

AVAILABILITY: CURRICULUM LIBRARY, ALAMEDA COUNTY SCHOOL DEPARTMENT, 224 WEST WINTON AVE., HAYWARD, CALIF. 94544 ($2.50)

8

ACCESSION NUMBER: ED064020

PUBLICATION DATE: 70

TITLE: OUTDOOR EDUCATION MANUAL.

DESCRIPTOR: *ART ACTIVITIES; ASTRONOMY; CAMPING; CONSERVATION EDUCATION; ECOLOGY; GEOGRAPHY; HANDICRAFTS; *INSTRUCTIONAL MATERIALS; LANGUAGE INSTRUCTION; METEOROLOGY; *OUTDOOR EDUCATION; *PHYSICAL EDUCATION; *SCIENCE INSTRUCTION; TRAILS

EDRS PRICE: DOCUMENT NOT AVAILABLE FROM EDRS.

DESCRIPTIVE NOTE: 94P.

A GUIDE AND INTRODUCTION TO OUTDOOR EDUCATION FOR THE CLASSROOM TEACHER, THE MANUAL LISTS 5 AIMS AND OBJECTIVES OF OUTDOOR EDUCATION AND DISCUSSES THE MEANS FOR REACHING THESE OBJECTIVES THROUGH FIELD TRIPS, CAMPING, OUTDOOR LEARNING CENTERS, AND OUTDOOR TEACHING IN SCHOOL ENVIRONS. SELECTED ACTIVITIES ARE DESCRIBED BY SUBJECT AREA: ARTS AND CRAFTS, GEOGRAPHY AND OUTDOOR STUDIES, SURVEYING, HISTORY, EXPLORING OLD CEMETERIES, LANGUAGE ARTS, MATHEMATICS, ORIENTEERING (DIRECTION-FINDING), PHYSICAL EDUCATION, AND SCIENCE. REFERENCE MATERIALS ARE INCLUDED. (PS)

AVAILABILITY: ONTARIO TEACHERS' FEDERATION, SUITE 550, 1260 BAY STREET, TORONTO 185, ONTARIO ($2.00)

ACCESSION NUMBER: ED065261

PUBLICATION DATE: 72

TITLE: TEACHING SCIENCE IN AN OUTDOOR ENVIRONMENT.

PERSONAL AUTHOR: GROSS, PHYLLIS; RAILTON, ESTHER P.

DESCRIPTOR: ANIMAL SCIENCE; ECOLOGY; ENVIRONMENTAL EDUCATION; EXPERIMENTS; *INSTRUCTIONAL MATERIALS; *LEARNING ACTIVITIES; *OUTDOOR EDUCATION; PARKS; *SCIENCE EDUCATION; SCIENTIFIC METHODOLOGY; *TEACHING TECHNIQUES

IDENTIFIER: *CALIFORNIA NATURAL HISTORY GUIDES

EDRS PRICE: DOCUMENT NOT AVAILABLE FROM EDRS.

DESCRIPTIVE NOTE: 188P.

THE PURPOSE OF THIS HANDBOOK IS TO PROVIDE SUGGESTIONS FOR TEACHING SCIENCE OUTDOORS THROUGH THE USE OF THE CALIFORNIA NATURAL HISTORY GUIDES. SPECIFIC REFERENCES TO THE GUIDES ARE MADE THROUGHOUT THE HANDBOOK. LEARNING ACTIVITIES RELATED TO OUTDOOR SCIENCE EDUCATION ARE GROUPED UNDER THE FOLLOWING TOPICS: OBJECTIVES, SUGGESTED ACTIVITIES, EQUIPMENT, CONCEPTUAL SYSTEM, PROCESS/CONTENT, REFERENCES TO GUIDES, CORRELATIONS WITH OTHER CURRICULUM AREAS, AND RELATED CLASSROOM LEARNING ACTIVITIES. A GLOSSARY, SELECTED REFERENCES, A LIST OF AGENCIES AND ORGANIZATIONS TO HELP WITH OUTDOOR ENVIRONMENTAL EDUCATION, A SAMPLE HEALTH FORM FOR AN OUTDOOR SCHOOL, AIDS FOR DEVELOPING OBJECTIVES, A DESCRIPTION OF CONCEPTUAL SYSTEMS, AND A 10-ITEM BIBLIOGRAPHY ARE ALSO INCLUDED. (PS)

AVAILABILITY: UNIVERSITY OF CALIFORNIA PRESS, 2223 FULTON ST., BERKELEY, CALIF. 94720 ($2.95; PAPERBACK)

10

ACCESSION NUMBER: ED065309

PUBLICATION DATE: JAN 72

TITLE: OUTDOOR CLASSROOMS AND SCHOOL SITES.

DESCRIPTOR: *CLASSROOM DESIGN; EDUCATIONAL FACILITIES; ENVIRONMENTAL EDUCATION; GUIDELINES; *OUTDOOR EDUCATION; RESOURCE MATERIALS; *SCHOOL SPACE; *SITE DEVELOPMENT

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$3.29

DESCRIPTIVE NOTE: 24P.

OUT-OF-DOORS INSTRUCTION AND THE USE OF OUTDOOR CLASSROOMS TO ALLOW CHILDREN TO LEARN DIRECTLY FROM THE NATURAL ENVIRONMENT, AS WELL AS ABOUT IT, ARE ENCOMPASSED IN THIS PAMPHLET. IT IS INTENDED AS A SOURCE OF IDEAS FOR DEVELOPING AND USING OUTDOOR CLASSROOMS ON SCHOOL SITES OF ANY SIZE WHEREVER THEY ARE LOCATED. INCLUDED IS AN EXPLANATION OF HOW TO START DEVELOPMENT OF AN OUTDOOR CLASSROOM, HOW TO PREPARE A PLAN FOR THE MOST COMPREHENSIVE USE OF THE SCHOOL SITE, AND WHERE TO GET PROFESSIONAL HELP IN APPLYING CONSERVATION PRACTICES THAT WILL IMPROVE LEARNING OPPORTUNITIES. IN ADDITION, NUMEROUS PICTURES AND BRIEF DESCRIPTIONS SUGGEST IDEAS FOR ACTUAL STUDIES IN THE OUTDOOR CLASSROOMS. (BL)

AVAILABILITY: SUPERINTENDENT OF DOCUMENTS, U. S. GOVERNMENT PRINTING OFFICE, WASHINGTON, D.C., 20402 (STOCK NO. 0100-1458 - $0.25)

ACCESSION NUMBER: ED065345

PUBLICATION DATE: 70

TITLE: OUTDOOR EDUCATION RESOURCE GUIDE.

DESCRIPTOR: *ELEMENTARY GRADES; ENVIRONMENTAL EDUCATION; *INSTRUCTIONAL MATERIALS; LEARNING ACTIVITIES; NATURAL RESOURCES; *OUTDOOR EDUCATION; *TEACHING GUIDES

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$9.87

DESCRIPTIVE NOTE: 264P.

DEVELOPED PRIMARILY AS A SOURCE OF INFORMATION FOR TEACHERS PLANNING OUTDOOR EDUCATION EXPERIENCES, THE MATERIAL IN THIS RESOURCE BOOK CAN BE USED BY ANY TEACHER IN ENVIRONMENTAL STUDIES. SUBJECTS AND ACTIVITIES MOST OFTEN TAUGHT AS PART OF THE OUTDOOR EDUCATION PROGRAM ARE OUTLINED BOTH AS RESOURCE (BASIC INFORMATION) AND TEACHING UNITS. THE TEACHING UNITS SUGGEST PRE-CAMP, CAMP, AND POST-CAMP ACTIVITIES, INDICATING MATERIALS REQUIRED AND PROCEDURES TO FOLLOW FOR THE ACTIVITIES. TOPICS INCLUDE: INSECTS, WOODLAND COMMUNITY, SHORELINE ECOLOGY, WEATHER, ASTRONOMY, STALKING AND OBSERVING, MAPPING AND ORIENTEERING, CREATIVE ARTS, NATURE CRAFTS, SURVIVAL AND CAMPCRAFTS, WATER SAFETY AND RECREATION, AND CAMPFIRE PROGRAMS. A BIBLIOGRAPHY ACCOMPANIES EACH UNIT TOGETHER WITH INFORMATION SPECIFIC TO THE OUTDOOR EDUCATION PROGRAM OF THE PRINCE GEORGE'S COUNTY PUBLIC SCHOOLS. (BL)

ACCESSION NUMBER: ED065349

PUBLICATION DATE: 72

TITLE: MINI-EXPLORATIONS OF OUR ENVIRONMENT.

DESCRIPTOR: *ELEMENTARY GRADES; *ENVIRONMENTAL EDUCATION; *HANDICAPPED CHILDREN; INSTRUCTIONAL MATERIALS; LEARNING ACTIVITIES; NATURAL RESOURCES; OUTDOOR EDUCATION; *TEACHING GUIDES

IDENTIFIER: ESEA TITLE III

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$9.87

DESCRIPTIVE NOTE: 207P.

THIS COLLECTION OF ACTIVITY GUIDES WAS PRODUCED FOR THE HANDICAPPED CHILDREN'S NATURE STUDY CENTER IN DAVENPORT, IOWA. THE GUIDES ARE DESIGNED TO BE USED IN ANY OUTDOOR AREA BY ELEMENTARY TEACHERS OF EITHER HANDICAPPED OR "NORMAL" CHILDREN. TE EMPHASIS IS ON GUIDING STUDENTS INTO OUR OUTDOOR WORLD, TO HELP THEM BEGIN TO OBSERVE, EXPLORE, AND EXPERIMENT IN OUTDOOR ACTIVITIES. PURPOSE, OBJECTIVES, CONCEPTS, ACTIVITIES, AND RESOURCES ARE DESCRIBED SEPARATELY FOR EACH OF THE MAJOR COMPONENTS OF OUR ENVIRONMENT: AIR, SOIL, WATER, PLANTS, ANIMALS, AND MAN. ALSO INCLUDED ARE A GENERAL COMPREHENSIVE OVERVIEW OF THE SIX COMPONENTS; AN APPENDIX INCLUDING DESCRIPTIONS OF HOW TO BUILD A VARIETY OF ITEMS USEFUL IN OBSERVING PLANTS AND ANIMALS; RESOURCES FOR LEAD-UP AND SUPPLEMENTAL ACTIVITIES, PHONOGRAPH RECORDS, AND BIBLIOGRAPHY; AND A SET OF SAMPLE EVALUATION INSTRUMENTS. THIS WORK WAS PREPARED UNDER AN ESEA TITLE III CONTRACT. (BL)

ACCESSION NUMBER: ED065938

PUBLICATION DATE: JUL 72

TITLE: ENVIRONMENTAL EDUCATION/FACILITY RESOURCES. A REPORT.

DESCRIPTOR: *COMMUNITY RESOURCES; *EDUCATIONAL RESOURCES; *ENVIRONMENTAL EDUCATION; ENVIRONMENTAL RESEARCH; FACILITY CASE STUDIES; FACILITY REQUIREMENTS; NATURAL RESOURCES; NATURE CENTERS; OUTDOOR EDUCATION; PLANNING (FACILITIES); *PROGRAM DESCRIPTIONS; REGIONAL PROGRAMS; SITE ANALYSIS

IDENTIFIER: *REGIONAL CENTERS

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$3.29

DESCRIPTIVE NOTE: 63P.

THIS PUBLICATION SUGGESTS WAYS TO USE THE TREASURE OF PLACES AND THINGS EXISTING IN THE NATIONAL PARKS, IN SCHOOLS, AND IN COMMUNITIES FOR EFFECTIVE PROGRAMS IN ENVIRONMENTAL EDUCATION. THE REPORT BEGINS WITH A DISCUSSION OF THE USE OF THE SCHOOL FACILITY AND SITE AS A LEARNING LABORATORY WITH PICTURES AND TEXT TO ILLUSTRATE HOW VARIOUS SCHOOLS PUT SCHOOL SITES TO GOOD USE. NEXT, THE REPORT DESCRIBES THE USE OF COMMUNITY FACILITIES FOR ENVIRONMENTAL EDUCATION; EXAMPLES OF URBAN, SUBURBAN, AND RURAL AREAS ARE PROVIDED. REGIONAL CENTERS ARE THEN DISCUSSED AND BOTH EXISTING NONRESIDENT AND RESIDENT CENTERS AND THEIR PROGRAMS ARE DESCRIBED. THE DOCUMENT CONCLUDES WITH SOME SUGGESTIONS FOR PLANNING RESIDENT CENTERS AND SOME EXAMPLES OF PARTNERSHIP ARRANGEMENTS BETWEEN SCHOOL BOARDS AND VARIOUS AGENCIES TO FINANCE RESIDENT PROGRAMS IN ENVIRONMENTAL EDUCATION. (AUTHOR/MLF)

AVAILABILITY: EDUCATIONAL FACILITIES LABORATORIES, INC.,
477 MADISON AVENUE, NEW YORK, NEW YORK 10022 ($2.00)

ACCESSION NUMBER: ED067171

PUBLICATION DATE: 64

TITLE: HISTORICAL BACKGROUND AND DEVELOPMENT OF CAMPING AND OUTDOOR EDUCATION.

PERSONAL AUTHOR: RILLO, THOMAS J.

DESCRIPTOR: *AGENCIES; *CAMPING; *CHILD DEVELOPMENT; DAY CAMP PROGRAMS; *HISTORICAL REVIEWS; LEARNING EXPERIENCE; *OUTDOOR EDUCATION; RECREATIONAL ACTIVITIES; RESIDENT CAMP PROGRAMS; TEACHER EDUCATION; URBANIZATION

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$3.29

DESCRIPTIVE NOTE: 37P.

THE PURPOSE OF THIS PAPER IS TO TRACE THE DEVELOPMENT OF CAMPING AND OUTDOOR EDUCATION IN THE UNITED STATES. THE EARLY BEGINNINGS OF CAMPING ARE DESCRIBED ALONG WITH THE DEVELOPMENT OF ORGANIZED CAMPS AND THE INFLUENCES OF URBANIZATION ON CAMPING. THE BASIC IDEA OF EDUCATION THROUGH CAMPING IS PRESENTED FOR EACH OF THE VARIOUS TYPES OF ORGANIZED CAMPS: PRIVATE CAMPS, AGENCY CAMPS, CHURCH CAMPS, AND INSTITUTIONAL CAMPS. THE HISTORICAL BACKGROUND OF SCHOOL CAMPING AND OUTDOOR EDUCATION IN THE UNITED STATES AND THE BACKGROUND OF OUTDOOR EDUCATION IN MICHIGAN ARE DESCRIBED IN DETAIL. THE INFLUENCE OF LIFE CAMPS, INC., AND ITS DEVELOPMENT INTO THE OUTDOOR EDUCATION ASSOCIATION IS DESCRIBED AS AN EFFECTIVE FORCE IN EXTENDING THE OUTDOOR EDUCATION MOVEMENT. (PS)

ACCESSION NUMBER: ED067202

PUBLICATION DATE: 72

TITLE: OUTDOOR EDUCATION: A GUIDE FOR PLANNING RESIDENT PROGRAMS.

PERSONAL AUTHOR: ROSENSTEIN, IRWIN, COMP.; DONALDSON, GEORGE W., COMP.

DESCRIPTOR: EDUCATIONAL PROGRAMS; *EVALUATION; FINANCIAL SUPPORT; LEARNING EXPERIENCE; *OUTDOOR EDUCATION; *PERSONNEL; PROGRAM BUDGETING; *PROGRAM PLANNING; *RESIDENT CAMP PROGRAMS; RESOURCES; SITE SELECTION; TEACHER ROLE

IDENTIFIER: *NEW YORK STATE

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$3.29

DESCRIPTIVE NOTE: 65P.

THE PURPOSE OF THIS GUIDE IS TO PROVIDE SCHOOL DISTRICT ADMINISTRATORS AND TEACHERS WITH GUIDANCE AND DIRECTION IN THE PLANNING AND CONDUCT OF RESIDENT PROGRAMS OF OUTDOOR EDUCATION. METHODS FOR PLANNING AND FINANCING THE PROGRAM, SELECTING THE SITE AND PERSONNEL, DETERMINING THE ROLE OF THE CLASSROOM TEACHER, AND IDENTIFYING RESOURCES ARE DESCRIBED. ACTIVITIES TO BE USED IN THE PROGRAM ARE LISTED ALONG WITH SUGGESTED EVALUATIVE TECHNIQUES. ADDITIONAL MATERIAL PRESENTED INCLUDES THE NEW YORK STATE EDUCATION LAW, THE NEW YORK STATE SANITARY CODE, EVALUATION FORMS, AND A LIST OF RESIDENT OUTDOOR EDUCATION CENTERS IN NEW YORK STATE. (PS)

ACCESSION NUMBER: ED067231

PUBLICATION DATE: MAR 71

TITLE: ADMINISTRATOR'S ENVIRONMENTAL EDUCATION EVALUATION MANUAL.

DESCRIPTOR: ADMINISTRATIVE PERSONNEL; *ATTITUDES; COMMUNITY LEADERS; *ENVIRONMENTAL EDUCATION; *EVALUATION; *MEASUREMENT INSTRUMENTS; *OUTDOOR EDUCATION; PARENTS; PRETESTS; PROJECTS; STUDENTS; TEACHERS

IDENTIFIER: ESEA TITLE III

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$3.29

DESCRIPTIVE NOTE: 40P.

EVALUATION INSTRUMENTS TO ASSESS EXISTING ATTITUDES AND INTERESTS CONCERNING THE ENVIRONMENT ARE COMPILED. BASELINE DATA WILL BE GATHERED FROM TEACHERS, ADMINISTRATORS, PARENTS, AND COMMUNITY MEMBERS THROUGH A SET OF FOUR PRETESTS ADMINISTERED PRIOR TO INITIATION OF THE INTERLAKES ENVIRONMENTAL AND OUTDOOR EDUCATION PROJECT. ALL INSTRUMENTS SERVE TO DETERMINE THE ATTITUDES, INTERESTS, ENTHUSIASMS, KNOWLEDGES, AND ANTICIPATIONS OF THE SPECIFIC GROUPS. IN ADDITION, SURVEY INSTRUMENT NUMBER 1, ADMINISTRATOR STAFF PROJECT EVALUATION, WILL DETERMINE THE EXTENT TO WHICH ADMINISTRATORS PLAN TO USE PERSONNEL, FACILITIES, EQUIPMENT, AND SCHOOL TIME FOR THE PROJECT. INSTRUMENT 2, PARENT SELF-EVALUATION, WILL INDICATE THE SCOPE OF PARTICIPATION IN SCHOOL PROGRAMS AND ACTIVITIES, WHILE NUMBER 3, AN ADULT SELF-STUDY ABOUT ENVIRONMENTAL EDUCATION, WILL INCLUDE IDENTIFICATION OF THE SCHOOL'S ROLE IN HANDLING CONCERNS OF POLLUTION, ECOLOGY, AND CONSERVATION AND SHOW HOW WELL THEY FEEL THE SCHOOL IS PERFORMING ITS ROLE. TEACHER SELF-EVALUATION, INSTRUMENT 4, WILL ASSESS THE EXTENT TEACHERS PRESENTLY USE ENVIRONMENTAL EDUCATION MATERIALS AND EXPECT TO USE THEM UNDER THE PROJECT. FINALLY, AN AWARENESS AND ATTITUDE SURVEY OF NATURAL RESOURCES FOR GRADE FIVE STUDENTS AND A CONCEPT DEVELOPMENT ASSISTANCE INVENTORY ARE INCLUDED. THIS WORK WAS PREPARED UNDER AN ESEA TITLE III CONTRACT. (BL)

ACCESSION NUMBER: ED067236

PUBLICATION DATE: 72

TITLE: OUTDOOR ENVIRONMENTAL EDUCATION. AN INNOVATIVE AND EXEMPLARY APPROACH TO PRE-SERVICE AND IN-SERVICE TEACHER EDUCATION.

DESCRIPTORS: *COLLEGE PROGRAMS; ENVIRONMENTAL EDUCATION; INSERVICE TEACHER EDUCATION; *OUTDOOR EDUCATION; PRESERVICE EDUCATION; PROGRAM CONTENT; *PROGRAM DESCRIPTIONS; *TEACHER EDUCATION

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$6.58

DESCRIPTIVE NOTE: 135P.

STRIVING FOR AN INNOVATIVE AND EXEMPLARY APPROACH TO PRESERVICE AND INSERVICE TEACHER EDUCATION, CHADRON STATE COLLEGE, NEBRASKA, HAS DEVELOPED AN OUTDOOR ENVIRONMENTAL EDUCATION PROGRAM. AS PORTRAYED IN THIS PROGRAM DESCRIPTION, IT CONSISTS OF: (1) AN UNDERGRADUATE COURSE IN OUTDOOR EDUCATION; (2) A SIXTH GRADE OUTDOOR EDUCATION EXPERIENCE INVOLVING STUDENTS IN 11 LOCAL SCHOOL SYSTEMS; (3) A GRADUATE SUMMER WORKSHOP INCLUDING AN EXTENDED FIELD TRIP TO WYOMING; (4) FIELD EXPERIENCES FOR EARTH SCIENCE STUDENTS STUDYING PHYSIOGRAPHIC PROVINCES AND EXCAVATING ARCHEOLOGICAL AREAS; (5) DEVELOPMENT OF STATE-WIDE CURRICULUM GUIDELINES; (6) UTILIZATION OF THE STATE COLLEGE FIELD LABORATORY, CAMP NORWESCA, FOR OUTDOOR, RECREATIONAL AND SCIENCE ACTIVITIES; AND (7) SPONSORSHIP OF TEACHER INSERVICE WORKSHOPS. ADDITIONAL MATERIAL OUTLINES OBJECTIVES OF THE PROGRAM, PERSONNEL INVOLVED, BUDGET REQUIRED, EVALUATION PROCEDURES FOR EACH COMPONENT, PROGRAM IMPACT--HOW IT CONTRIBUTES TO THE IMPROVEMENT OF TEACHER EDUCATION, AND FUTURE PLANS. COURSE OUTLINES, CLASS SCHEDULES, DESCRIPTIVE BROCHURES, AND EVALUATION REPORTS ARE APPENDED IN THE SUPPORTING MATERIALS SECTION. THIS WORK WAS PRESENTED TO THE AMERICAN ASSOCIATION OF COLLEGES FOR TEACHER EDUCATION FOR ITS 1972 DISTINGUISHED ACHIEVEMENT AWARDS PROGRAM. (BL)

ACCESSION NUMBER: ED067256

PUBLICATION DATE: 72

TITLE: OUTDOOR EDUCATION IN CANADA - 1972.

PERSONAL AUTHOR: PASSMORE, JOHN

DESCRIPTOR: *EDUCATIONAL TRENDS; ENVIRONMENTAL EDUCATION; INNOVATION; INTERDISCIPLINARY APPROACH; NATIONAL SURVEYS; *OUTDOOR EDUCATION; *PROGRAM DEVELOPMENT; *STATE OF THE ART REVIEWS

IDENTIFIER: *CANADA

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$3.29

DESCRIPTIVE NOTE: 75P.

AN OVERVIEW OF CURRENT DEVELOPMENTS IN OUTDOOR EDUCATION AND ENVIRONMENTAL STUDIES IN CANADA IS PRESENTED IN THIS BOOKLET. COMPILED FOR THE CANADIAN EDUCATION ASSOCIATION, THE STUDY REVIEWS TRENDS AND DEVELOPMENTS SINCE A SIMILAR SURVEY WAS UNDERTAKEN IN 1969. THE FIRST HALF OF THE REPORT TRACES THE BEGINNINGS OF OUTDOOR EDUCATION PROGRAMS IN CANADA; DEFINES OUTDOOR EDUCATION TOGETHER WITH ITS OBJECTIVES AND VALUES; EVALUATES USE OF THE MOBILE CLASSROOM, PRIMARILY THE SCHOOL BUS; SUGGESTS OPPORTUNITIES FOR CREATIVITY IN ALL GRADE LEVELS AND SUBJECT AREAS; LISTS EXAMPLES OF WHAT TEACHERS ARE DOING TO ENRICH THEIR PROGRAMS IN NUMEROUS DISCIPLINES; ADVISES WHERE TO START A PROGRAM AND WHOM TO CONTACT FOR VOLUNTARY ASSISTANCE; ENUMERATES SPECIAL PROBLEMS ENCOUNTERED IN TEACHING IN THE OUT-OF-DOORS; AND PRESENTS REACTIONS FROM INVOLVED INDIVIDUALS--PUPILS, TEACHERS, PARENTS, AND ADMINISTRATORS. THE SECOND HALF IS A RESUME OF PROGRAMS, PLANS, AND PROBLEMS IN EACH OF THE PROVINCES, FOLLOWED BY A SAMPLING OF SPECIAL OR UNUSUAL ACTIVITIES. RECOMMENDATIONS AND FINAL COMMENTS CONCLUDE THE WORK ACCOMPANIED BY SELECTED REFERENCE MATERIALS WRITTEN BY CANADIAN AUTHORS. (BL)

AVAILABILITY: CANADIAN EDUCATION ASSOCIATION, 252 BLOOR STREET WEST, TORONTO 5, ONTARIO, CANADA ($2.00)

ACCESSION NUMBER: ED068310

PUBLICATION DATE: 72

TITLE: SIXTH GRADE: FALL AND WINTER CURRICULUM GUIDE.

PERSONAL AUTHOR: JACOBS, JOEL ROBERT, ED.

DESCRIPTOR: *CURRICULUM GUIDES; ENVIRONMENTAL EDUCATION; *GRADE 6; INSTRUCTIONAL MATERIALS; *LEARNING ACTIVITIES; LESSON PLANS; NATURAL RESOURCES; *OUTDOOR EDUCATION; UNITS OF STUDY (SUBJECT FIELDS)

IDENTIFIER: ESEA TITLE I

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$3.29

DESCRIPTIVE NOTE: 86P.

ACTIVITY PLANS FOR SIXTH GRADE OUTDOOR EDUCATION EXPERIENCES COMPRISE THE BULK OF THIS CURRICULUM GUIDE. MANY OF THE OUTLINES HAVE BEEN DEVELOPED THROUGH PRACTICAL APPLICATION AND EXPERIMENTATION BY STAFF MEMBERS OF THE OUTDOOR AND ENVIRONMENTAL EDUCATION CENTER (OEEC) OF THE HARRISBURG, PENNSYLVANIA, CITY SCHOOLS. ACTIVITIES AND STUDIES FOR THE FALL ARE RELATED TO AMPHIBIANS, INSECTS, POISONOUS PLANTS, WILDERNESS ECOLOGY, SIMPLE MACHINERY ENERGY AND WORK, ARCHERY, GARDENING, AND OBSERVATION. WINTER ACTIVITIES INCLUDE THE STUDY OF FISH, INVERTEBRATE ANIMALS, ANIMAL SIGNS, PLANT DIFFERENCES, HUMAN ECOLOGY AND POPULATION, WEATHER REPORTING AND FORECASTING, COMPASS SKILLS, CARE AND SHARPENING OF TOOLS, AND COMMUNICATION. EACH PLAN OUTLINES: (1) STEPS FOR CLASSROOM INTRODUCTION OF THE SUBJECT AND PREPARATION OF THE STUDENTS FOR THEIR OUTDOOR LABORATORY EXERCISES, (2) INFORMATION AS PROVIDED IN THE OEEC ACTIVITY, AND (3) TOPICS/PROJECTS TO CONSIDER FOR CLASSROOM FOLLOW-UP AND REINFORCEMENT. VOCABULARY WORDS, FILMS, AND BOOKS ARE LISTED WHERE APPROPRIATE AS SUPPLEMENTAL AIDS. THIS WORK WAS PREPARED UNDER AN ESEA TITLE I CONTRACT. RELATED DOCUMENTS ARE SE 015 163 FOR GRADE FOUR AND SE 015 164 FOR GRADE FIVE. (BL)

ACCESSION NUMBER: ED068332

PUBLICATION DATE: 72

TITLE: ECOLOGY IN THE CLASSROOM COMPLETE KIT .

DESCRIPTOR: *ECOLOGY; ENVIRONMENTAL EDUCATION; *INSTRUCTIONAL MATERIALS; *INTERMEDIATE GRADES; *LESSON PLANS; NATURAL RESOURCES; OUTDOOR EDUCATION; *TEACHING GUIDES; URBAN ENVIRONMENT

EDRS PRICE: DOCUMENT NOT AVAILABLE FROM EDRS.

DESCRIPTIVE NOTE: 50P.

DESIGNED SPECIFICALLY FOR USE IN INNER CITY SCHOOLS, THIS ECOLOGY PROJECT FOR GRADES FOUR THROUGH SIX ATTEMPTS TO HELP CHILDREN DEVELOP AN APPRECIATION OF THE OUT-OF-DOORS AND AN AWARENESS OF THE NATURAL FEATURES OF THEIR OWN ENVIRONMENT. THE EIGHT-WEEK PROJECT CONSISTS OF UNITS ABOUT INTERDEPENDENCE, PLANTS, POLLINATION, INSECTS AND THEIR RELATIVES, BIRDS, MAMMALS, AND OTHER ANIMALS. A REVIEW SESSION AND FIELD TRIP TO A NATURE CENTER ARE ALSO INCLUDED. THIS PACKET OF MATERIALS CONTAINS: (1) NOTES ABOUT THE PROJECT; (2) DAILY OUTLINE OF THE COURSE; (3) PROCEDURES TO IMPLEMENT THE PROJECT; (4) SUGGESTED READING, REFERENCES AND ACTIVITIES; (5) DISCUSSION QUESTIONS FOR EACH UNIT; (6) SUGGESTIONS FOR EXHIBITS, CHARTS, AND POSTERS; (7) ILLUSTRATIONS OF THREE POSTERS AND A FLANNELBOARD STORY; (8) A WEEKLY GUESSING GAME; AND (9) DIAGRAMS, CHARTS, AND PROJECTS TO REPRODUCE FOR STUDENT'S USE. (BL)

AVAILABILITY: AUDUBON NATURALIST SOCIETY OF THE CENTRAL ATLANTIC STATES, 8940 JONES MILL ROAD, WASHINGTON, D.C. 20015 ($3.50 COMPLETE KIT)

ACCESSION NUMBER: ED064021

PUBLICATION DATE: 71

TITLE: OUTDOOR EDUCATION MANUAL. PART II.

DESCRIPTORS: *CURRICULUM ENRICHMENT; *FIELD TRIPS; *FORESTRY; MEASUREMENT; *OUTDOOR EDUCATION; PHOTOGRAPHY; RECREATIONAL ACTIVITIES; *TREES

EDRS PRICE: DOCUMENT NOT AVAILABLE FROM EDRS.

DESCRIPTIVE NOTE: 64P.

MANY OF THE ARTICLES INCLUDED IN THIS SUPPLEMENT TO THE ORIGINAL "OUTDOOR EDUCATION MANUAL" WERE SUBMITTED BY CLASSROOM TEACHERS IN ONTARIO. MAJOR AREAS COVERED ARE PHOTOGRAPHY IN OUTDOOR EDUCATION, ENRICHMENT OF THE CURRICULUM THROUGH USE OF THE SCHOOL YARD, CANOE TRIPPING, WINTER ACTIVITIES, AND FORESTRY. SUGGESTED ACTIVITIES IN EACH OF THESE AREAS ARE PRESENTED, ALONG WITH ADDITIONAL INFORMATION TO BE USED IN AN OUTDOOR EDUCATION PROGRAM. A LIST OF REFERENCE BOOKS IS INCLUDED. (PS)

AVAILABILITY: ONTARIO TEACHERS' FEDERATION, SUITE 550, 1260 BAY STREET, TORONTO 185, ONTARIO ($2.00)

ACCESSION NUMBER: ED064184

PUBLICATION DATE: AUG 71

TITLE: REPORT ON THE FIRST FIVE YEARS OF OPERATION (SPRING 1967 THROUGH SPRING 1971) OF THE OUTDOOR AND ENVIRONMENTAL EDUCATION PROGRAM IN BILLINGS, MONTANA.

DESCRIPTOR: AFFECTIVE OBJECTIVES; CAMPING; COGNITIVE OBJECTIVES; COLLEGE HIGH SCHOOL COOPERATION; *ENVIRONMENTAL EDUCATION; GRADE 6; *OUTDOOR EDUCATION; PROGRAM DESCRIPTIONS; TEACHER EDUCATION

IDENTIFIER: BILLINGS

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$3.29

DESCRIPTIVE NOTE: 52P.

THE PURPOSES OF THIS REPORT, PREPARED FOR A SCHOOL BOARD, ARE TO GIVE A BRIEF STATEMENT OF THE NEED FOR ENVIRONMENTAL EDUCATION, THEN TO PRESENT A SUMMARY OF THE OBJECTIVES, CONTENT, CURRICULUM, FINANCING, MANAGEMENT, AND HISTORY OF THE PROGRAM COOPERATIVELY DEVELOPED BY A COLLEGE AND SCHOOL DISTRICT IN MONTANA. THIS PROGRAM IN THE FIRST FIVE YEARS OF ITS OPERATION HAS BEEN A TOTALLY LOCALLY DEVELOPED PROJECT, AND HAS BEEN COMPLETELY FUNDED BY THE P.T.A.'S OF THE PARTICIPATING SCHOOLS. IT HAS GROWN FROM INVOLVING ONE SIXTH-GRADE CLASSROOM CAMPING OUT IN 1967 TO 33 SIXTH GRADE CLASSROOMS IN 1971. THE ENVIRONMENTAL PROBLEMS IN MONTANA WHICH NEED INSTRUCTION ARE: AIR POLLUTION, WATER PROBLEMS, URBANIZATION AND LAND USE. THE SIGNIFICANT ROLE OF THE SCHOOL SYSTEM IN THESE PROBLEMS IS TO HELP YOUNG PEOPLE UNDERSTAND THEIR TOTAL ENVIRONMENT, HELP THEM LEARN HOW TO FIND OUT ABOUT THE ESSENTIAL INGREDIENTS OF PROBLEMS, AND, LASTLY, HELP THEM DEVELOP THE ATTITUDES AND ABILITIES THAT LEAD TO RESPONSIBLE CITIZENSHIP EXERCISED IN ACTIONS TOWARD SOLVING PROBLEMS. (AUTHOR/AWW)

ACCESSION NUMBER: ED065259

PUBLICATION DATE: 72

TITLE: LEARNING IN THE OUT-OF-DOORS: MOTIVATION, DISCOVERY, INQUIRY, EXPLORATION, INVESTIGATION.

PERSONAL AUTHOR: BURTNETT, NANCY, ED.

DESCRIPTOR: COMMUNICATION (THOUGHT TRANSFER); *CURRICULUM ENRICHMENT; *ELEMENTARY GRADES; *INSTRUCTIONAL MATERIALS; LANGUAGE ARTS; *LEARNING ACTIVITIES; MAPS; *OUTDOOR EDUCATION; POETRY; SCIENCE EDUCATION; SOIL SCIENCE

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$3.29

DESCRIPTIVE NOTE: 38P.

METHODS FOR USE BY TEACHERS OF ELEMENTARY-SCHOOL-AGE CHILDREN IN UTILIZING OUTDOOR EXPERIENCES IN THE STUDY OF VARIOUS SUBJECTS ARE PRESENTED IN THIS GUIDE. LEARNING ACTIVITIES ARE DESCRIBED IN 3 UNITS: (1) LANGUAGE ARTS, IN WHICH STUDENTS ARE STIMULATED TO COMMUNICATE IDEAS THEY HAVE ABOUT THE NATURAL ENVIRONMENT AND TO UNDERSTAND THEIR RELATIONSHIP TO IT; (2) MAPS AND COMPASSES, IN WHICH CHILDREN LEARN THE SKILLS NECESSARY TO FINDING THEIR WAY; AND (3) SOILS, IN WHICH CHILDREN LEARN HOW NECESSARY IS SOIL TO SURVIVAL. THESE ACTIVITIES ARE DIVIDED INTO LEAD-UP ACTIVITIES, OUTDOOR ACTIVITIES, AND FOLLOW-UP ACTIVITIES. ADDITIONAL INFORMATION FOR USE BY THE TEACHER IS ALSO INCLUDED IN THIS DOCUMENT FUNDED BY THE TITLE III ELEMENTARY AND SECONDARY EDUCATION ACT. (PS)

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ACCESSION NUMBER: ED065260

PUBLICATION DATE: 71

TITLE: EDUCATION'S OUTER SPACE.

PERSONAL AUTHOR: RAILTON, ESTHER

DESCRIPTOR: CAMPING; *CONSERVATION EDUCATION; ECOLOGY; *ENVIRONMENTAL EDUCATION; *OUTDOOR EDUCATION; PROGRAM COSTS; *PROGRAM DESCRIPTIONS; *RESIDENT CAMP PROGRAMS; SPECIAL EDUCATION; STAFF UTILIZATION

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$3.29

DESCRIPTIVE NOTE: 12P.

INFORMATION COLLECTED FROM 81 CAMPS, SCHOOLS, AND COLLEGES CONCERNING OUTDOOR ENVIRONMENTAL FACILITIES AND PROGRAM CHANGES TAKING PLACE IN OUTDOOR EDUCATION IS PRESENTED IN THIS PAPER. INCLUDED IN THIS INFORMATION ARE DESCRIPTIONS OF SITES, DURATION OF PROGRAMS, SUGGESTED SEASONS, COST AND FINANCING, CAMP ORGANIZATION, PROGRAM ACTIVITIES, AGE LEVELS, SPECIAL PROGRAMS, STAFFING PROCEDURES, AND COLLEGE LEADERSHIP IN ENVIRONMENTAL EDUCATION. CONCLUSIONS DRAWN FROM THE STUDY ARE THAT THE TREND TO STUDY OUTDOORS IS INCREASING, THAT THERE IS A TENDENCY TO RELATE OUTDOOR LEARNING TO INDOOR LEARNING AND TO INCLUDE ALL AREAS OF THE CURRICULUM, AND THAT COLLEGES RECOGNIZE THE NEED FOR RELATING THEORY TO PRACTICE AND THE NECESSITY OF CROSSING DEPARTMENTAL LINES TO STUDY ENVIRONMENTAL PROBLEMS. (PS)

ACCESSION NUMBER: ED068359

PUBLICATION DATE: SEP 72

TITLE: A REVIEW OF RESEARCH RELATED TO ENVIRONMENTAL EDUCATION.

PERSONAL AUTHOR: ROTH, ROBERT E.; HELGESON, STANLEY L.

DESCRIPTOR: CONSERVATION EDUCATION; *ENVIRONMENTAL EDUCATION; *LITERATURE REVIEWS; OUTDOOR EDUCATION; REFERENCE MATERIALS; *RESEARCH; *RESEARCH REVIEWS (PUBLICATIONS)

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$3.29

DESCRIPTIVE NOTE: 56P.

TO ACHIEVE THE GOALS OF ENVIRONMENTAL QUALITY, NEW THRUSTS HAVE BEEN PLACED UPON ENVIRONMENTAL EDUCATION. ALTHOUGH SUCCESSFUL DEVELOPMENT OF THIS PROCESS MUST BE BASED ON SOUND RESEARCH, LITTLE ATTENTION HAS BEEN GIVEN TO SEARCHING OUT, ORGANIZING, AND REPORTING RESEARCH IN THE ENVIRONMENTAL EDUCATION AREA. THE PURPOSE OF THIS REPORT IS TO: (1) IDENTIFY KNOWN RESEARCH PERTAINING TO ENVIRONMENTAL EDUCATION, (2) REVIEW CRITICALLY THE IDENTIFIED RESEARCH, AND (3) IDENTIFY AREAS FOR FURTHER RESEARCH. STUDIES SELECTED (94) INCLUDE: (1) ATTEMPTS AT OBJECTIVE EVALUATION OF PROGRAMS, OUTCOMES, ATTITUDES, AND ADMINISTRATIVE PROCEDURES, AND (2) WORKS RELATED TO ELEMENTARY-SECONDARY SCHOOL, COLLEGE OR ADULT LEVELS OF EDUCATIONAL CONCERN. THE REVIEW IS LIMITED TO RESEARCH COMPLETED SINCE 1950 WITH THE EXCEPTION OF CERTAIN DOCUMENTS OF HISTORIC SIGNIFICANCE. SUMMARY STATEMENTS INDICATE THAT RESEARCHERS ADDRESSED THEMSELVES TO NUMEROUS ASPECTS OF ENVIRONMENTAL EDUCATION, SUCH AS PROBLEMS OF PHILOSOPHY, PROGRAM DEVELOPMENT, EVALUATION OF INSTRUCTIONAL MATERIALS, SELECTION OF SITES APPROPRIATE FOR LEARNING, AND OUTCOMES OF PROGRAMS. NONE OF THEM, HOWEVER, APPEARED TO HAVE CONSIDERED ENVIRONMENTAL EDUCATION ON OTHER THAN A LOCAL, REGIONAL, OR NATIONAL BASIS. THE REVIEWERS FELT IF ENVIRONMENTAL EDUCATION IS TO BE TRULY EFFECTIVE, IT MUST EMPHASIZE THE WORLD-WIDE NATURE OF THE PROBLEMS. (BL)

AVAILABILITY: CENTER FOR SCIENCE AND MATHEMATICS EDUCATION, THE OHIO STATE UNIVERSITY, 244 ARPS HALL, COLUMBUS, OHIO 43210 ($1.50)

ACCESSION NUMBER: ED068363

PUBLICATION DATE: MAR 72

TITLE: ENVIRONMENTAL EDUCATION: A SELECTED BIBLIOGRAPHY.

DESCRIPTOR: *BIBLIOGRAPHIES; CONSERVATION EDUCATION; ECOLOGY; ELEMENTARY GRADES; *ENVIRONMENTAL EDUCATION; INSTRUCTIONAL MATERIALS; *LITERATURE; OUTDOOR EDUCATION; POLLUTION; *REFERENCE MATERIALS; SECONDARY GRADES

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$3.29

DESCRIPTIVE NOTE: 5P.

TEXTBOOKS, COURSES OF STUDY, RESOURCE UNITS, TEACHING UNITS, TEACHING DEVICES, AND GENERAL REFERENCE BOOKS ARE CATALOGUED IN THIS SELECTED BIBLIOGRAPHY FOR ENVIRONMENTAL EDUCATION. THE MATERIALS NOTED ARE THOSE AVAILABLE FROM THE CURRICULUM LABORATORY, SAVITZ LEARNING RESOURCE CENTER, GLASSBORO STATE COLLEGE, NEW JERSEY, AND ARE USEFUL FOR BOTH ELEMENTARY AND SECONDARY GRADE LEVELS. EACH ENTRY LISTS TITLE, AUTHOR, PUBLISHER, YEAR, AND SUBJECT CATEGORY: CONSERVATION, ECOLOGY, ENVIRONMENTAL EDUCATION, OUTDOOR EDUCATION, POLLUTION, SCIENCE, OR SOCIAL STUDIES. FIFTY ITEMS ARE CITED. (BL)

ACCESSION NUMBER: ED068366

PUBLICATION DATE: 72

TITLE: CATTAILS OR CONCRETE?

PERSONAL AUTHOR: HEAL, FRED A.; AND OTHERS

DESCRIPTOR: *ELEMENTARY GRADES; *ENVIRONMENTAL EDUCATION; INSTRUCTIONAL MATERIALS; *LEARNING ACTIVITIES; NATURAL RESOURCES; OUTDOOR EDUCATION; STUDENT PROJECTS; *STUDY GUIDES

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$9.87

DESCRIPTIVE NOTE: 294P.

DEVELOPED FOR ELEMENTARY SCIENCE STUDIES, THIS UNIT ON MAN AND ENVIRONMENT REQUIRES STUDENT INVOLVEMENT IN DISCOVERY, OBSERVATION, GATHERING AND RECORDING DATA, AND PROBLEM SOLVING. A SERIES OF 19 BOOKLETS, EACH DESIGNED AS AN ACTIVITY WHICH CAN BE COMPLETED OUT-OF-DOORS, COMPRISE THIS STUDENT PACKET OF MATERIALS. TOPICS STUDIED IN THE ACTIVITIES INCLUDE: ADAPTATION, COMMUNITIES, CONSUMERS, DECOMPOSERS AND DECOMPOSITION, FOOD CHAINS, HABITAT, HEARING, LAND USE, MARSHES, NUTRIENTS, PRODUCERS, PROFIT (LAND VALUES), AND WETLANDS. EACH BOOKLET TELLS THE STUDENT WHAT HE WILL STUDY, WHAT HE SHOULD BE ABLE TO DO, WHAT HE NEEDS TO KNOW, WHAT MATERIALS HE NEEDS, AND HOW TO DO THE ACTIVITY. QUESTIONS TO ANSWER AND QUESTIONS TO THINK ABOUT AS WELL AS OTHER WAYS TO DO THE ACTIVITY ARE LISTED. TO SUMMARIZE ALL THE TOPICS OF STUDY, A STORY IS WRITTEN ABOUT COMMUNITY CONCERN AND PLANNING FOR AN ENVIRONMENTAL ISSUE. THIS SET OF MATERIALS WAS FIELD TESTED IN THE SPRING OF 1972 BY THE WISCONSIN RESEARCH AND DEVELOPMENT CENTER FOR COGNITIVE LEARNING. (BL)

ACCESSION NUMBER: ED068367

PUBLICATION DATE: 72

TITLE: FOURTH GRADE: LATE FALL AND EARLY SPRING CURRICULUM GUIDE.

PERSONAL AUTHOR: JACOBS, JOEL ROBERT, ED.

DESCRIPTOR: *CURRICULUM GUIDES; ENVIRONMENTAL EDUCATION; *GRADE 4; INSTRUCTIONAL MATERIALS: *LEARNING ACTIVITIES; LESSON PLANS; *NATURAL RESOURCES; *OUTDOOR EDUCATION; UNITS OF STUDY (SUBJECT FIELDS)

IDENTIFIER: ESEA TITLE I

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$3.29

DESCRIPTIVE NOTE: 83P.

ACTIVITY PLANS FOR FOURTH GRADE OUTDOOR EDUCATION EXPERIENCES COMPRISE THE BULK OF THIS CURRICULUM GUIDE. MANY OF THE OUTLINES HAVE BEEN DEVELOPED THROUGH PRACTICAL APPLICATION AND EXPERIMENTATION BY STAFF MEMBERS OF THE OUTDOOR AND ENVIRONMENTAL EDUCATION CENTER (OEEC) OF THE HARRISBURG, PENNSYLVANIA, CITY SCHOOLS. ACTIVITIES AND STUDIES FOR THE LATE FALL ARE RELATED TO VERTEBRATE ANIMALS, FRUITS AND SEED DISPERSAL, DECAY, FORESTS, CONSERVATION OF NATURAL RESOURCES, THE SAFE HANDLING OF TOOLS, FIRE BUILDING, GARDENING, AND PLANT REACTION TO SEASONAL CHANGE. EARLY SPRING ACTIVITIES INCLUDE THE STUDY OF MAMMALS, ARTHROPODS, ENEMIES OF THE FOREST, WATER POLLUTION, LAND FORMATION, SHELTERS, BAIT CASTING, GARDENING, AND ANIMAL REACTION TO SEASONAL CHANGE. EACH PLAN OUTLINES: (1) STEPS FOR CLASSROOM INTRODUCTION OF THE SUBJECT AND PREPARATION OF THE STUDENTS FOR THEIR OUTDOOR LABORATORY EXERCISES, (2) INFORMATION AS PROVIDED IN THE OEEC ACTIVITY, AND (3) TOPICS/PROJECTS TO CONSIDER FOR CLASSROOM FOLLOW-UP AND REINFORCEMENT. VOCABULARY WORDS, FILMS, AND BOOKS ARE LISTED WHERE APPROPRIATE AS SUPPLEMENTAL AIDS. THIS WORK WAS PREPARED UNDER AN ESEA TITLE I CONTRACT. RELATED DOCUMENTS ARE SE 015 164 FOR GRADE FIVE AND SE 014 707 FOR GRADE SIX. (BL)

ACCESSION NUMBER: ED068368

PUBLICATION DATE: 72

TITLE: FIFTH GRADE: WINTER AND SPRING CURRICULUM GUIDE.

PERSONAL AUTHOR: JACOBS, JOEL ROBERT, ED.

DESCRIPTOR: *CURRICULUM GUIDES; ENVIRONMENTAL EDUCATION; *GRADE 5; INSTRUCTIONAL MATERIALS; *LEARNING ACTIVITIES; LESSON PLANS; *NATURAL RESOURCES; *OUTDOOR EDUCATION; UNITS OF STUDY (SUBJECT FIELDS)

IDENTIFIER: ESEA TITLE I

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$3.29

DESCRIPTIVE NOTE: 66P.

ACTIVITY PLANS FOR FIFTH GRADE OUTDOOR EDUCATION EXPERIENCES COMPRISE THE BULK OF THIS CURRICULUM GUIDE. MANY OF THE OUTLINES HAVE BEEN DEVELOPED THROUGH PRACTICAL APPLICATION AND EXPERIMENTATION BY STAFF MEMBERS OF THE OUTDOOR AND ENVIRONMENTAL EDUCATION CENTER (OEEC) OF THE HARRISBURG, PENNSYLVANIA, CITY SCHOOLS. ACTIVITIES AND STUDIES FOR THE WINTER ARE RELATED TO REPTILES, COMPOSITION AND GERMINATION OF SEEDS, HISTORY OF LIVING THINGS, ROCKS AND MINERALS, EROSION, ROPES AND KNOTS, CAMPING EQUIPMENT AND OUTDOOR SURVIVAL, WOOD CUTTING, AND OBSERVATION. SPRING ACTIVITIES INCLUDE THE STUDY OF BIRDS, FLOWERS, SIMPLE PLANTS, OUTDOOR COOKING, REFORESTATION, AND GARDENING. EACH PLAN OUTLINES: (1) STEPS FOR CLASSROOM INTRODUCTION OF THE SUBJECT AND PREPARATION OF THE STUDENTS FOR THEIR OUTDOOR LABORATORY EXERCISES, (2) INFORMATION AS PROVIDED IN THE OEEC ACTIVITY, AND (3) TOPICS/PROJECTS TO CONSIDER FOR CLASSROOM FOLLOW-UP AND REINFORCEMENT. VOCABULARY WORDS, FILMS, AND BOOKS ARE LISTED WHERE APPROPRIATE AS SUPPLEMENTAL AIDS. THIS WORK WAS PREPARED UNDER AN ESEA TITLE I CONTRACT. RELATED DOCUMENTS ARE SE 015 163 FOR GRADE FOUR AND SE 014 707 FOR GRADE SIX. (BL)

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ACCESSION NUMBER: ED069468

PUBLICATION DATE: AUG 71

TITLE: A FIELD GUIDE TO OUTDOOR LEARNING IN POWELL COUNTY, BIOME DESCRIPTIONS, FIELD ACTIVITIES; FIELD SITES.

DESCRIPTOR: ENVIRONMENTAL EDUCATION; *FIELD STUDIES; LEARNING ACTIVITIES; *NATURAL RESOURCES; *OUTDOOR EDUCATION; RESOURCE MATERIALS; SITE ANALYSIS; *TEACHING GUIDES

IDENTIFIER: ELEMENTARY SECONDARY EDUCATION ACT TITLE III; ESEA TITLE III

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$6.58

DESCRIPTIVE NOTE: 182P.

SERVING AS A GUIDE TO THE OUTDOOR AREAS OF POWELL COUNTY, MONTANA, AND THE SURROUNDING AREA, THIS RESOURCE BOOK IS USEFUL FOR TEACHERS WHO WISH TO EXPLORE THE OUT-OF-DOORS WITH THEIR STUDENTS, PARTICULARLY THOSE INTERESTED IN NATURE STUDIES. ITS AIM IS TO PRODUCE A CITIZENRY THAT IS KNOWLEDGEABLE CONCERNING THE BIOPHYSICAL ENVIRONMENT AND ITS RELATED PROBLEMS. THREE MAJOR SECTIONS CONSTITUTE THE GUIDE. SECTION 1, BIOME DESCRIPTIONS, GIVES A GENERAL AND DETAILED DESCRIPTION OF PLANT COMMUNITIES IN POWELL COUNTY FOLLOWED BY THEIR ASSOCIATED SOIL PROFILES. SECTION 2 OFFERS A SUMMARY OF FIELD SITES. UNDERDEVELOPED SITES THROUGHOUT THE COUNTY ARE SUGGESTED WHICH ALLOW FOR STUDY OF WATER ENVIRONMENTS, BIOMES, SOIL AREAS, FIRE BURNS, CLEAR CUTS, POLLUTION AREAS, ANIMALS, RANGE MANAGEMENT, AND GEOLOGY. ESTABLISHED OUTDOOR ENVIRONMENTAL AREAS IN SIX COMMUNITIES ARE THEN COVERED IN DETAIL. THIS INCLUDES A GENERAL DESCRIPTION OF THE AREA, CHOICE OF LOCATION, PICTURES AND MAPS, AND A SITE ANALYSIS CHART OF BIOTIC AND ABIOTIC FEATURES. SIXTY FIELD ACTIVITIES WHICH CAN BE COMPLETED AT THE OUTDOOR SITES ARE ENUMERATED IN SECTION 3. EACH ACTIVITY GIVES TOPIC OF STUDY, GRADE LEVEL, SITE(S) IN WHICH IT MAY BE UNDERTAKEN, PROCEDURES, AND RELATED INFORMATION. THIS WORK WAS PREPARED UNDER AN ESEA TITLE III CONTRACT. (BL)

ACCESSION NUMBER: ED070588

PUBLICATION DATE: 69

TITLE: 200 OUTDOOR SCIENCE ACTIVITIES, A CLASSROOM EXTENSION.

DESCRIPTOR: ECOLOGY; *ELEMENTARY GRADES; ENVIRONMENTAL EDUCATION; FIELD STUDIES; FIELD TRIPS; *NATURAL RESOURCES; *OUTDOOR EDUCATION; *SCIENCE ACTIVITIES; *TEACHING GUIDES

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$3.29

DESCRIPTIVE NOTE: 30P.

TO ENCOURAGE TEACHERS TO USE THE OUT-OF-DOORS IN THEIR TEACHING, THIS BOOKLET HAS BEEN PREPARED BY THE ONTARIO TEACHERS' FEDERATION. IT REVIEWS BASIC APPROACHES TO OUT-OF-DOORS INSTRUCTION, TYPES OF FIELD TRIPS, TEACHER TRAINING AND SOURCES OF INSTRUCTIONAL ASSISTANCE, PRE-PLANNING AND FOLLOW-UP FOR A FIELD TRIP, AND POINTS TO CONSIDER IN EVALUATION. FOLLOWING THIS ARE 200 OUTDOOR SCIENCE ACTIVITIES, EACH OF WHICH ALLOWS DIRECT EXPOSURE TO MATERIAL THINGS OUT-OF-DOORS SO PUPILS MAY GAIN AN APPRECIATION OF THEIR ENVIRONMENT AND AN UNDERSTANDING OF ECOLOGICAL RELATIONSHIPS. ANIMALS, BIRDS, GEOLOGY, INSECTS, METEOROLOGY, PHYSICAL SCIENCE, PLANT LIFE, SNOW, TEMPERATURE, AND TREES ARE THE TOPICS OF STUDY. EACH ACTIVITY IS BRIEFLY DESCRIBED AND CODED FOR UNIQUE ENVIRONMENT OR ACTIVITY AREA (STREAM, MARSH, OPEN FIELD, SCHOOL YEAR, WOODLOT, ALL AREAS). CONCLUDING INFORMATION LISTS RESOURCE BOOKS FOR BOTH TEACHERS AND STUDENTS IN MANY AREAS OF NATURAL RESOURCES. (BL)

ACCESSION NUMBER: ED070620

PUBLICATION DATE: 70

TITLE: A COMPARISON OF THE USE OF OUTDOOR VS. INDOOR LABORATORY TECHNIQUES IN TEACHING BIOLOGY TO PROSPECTIVE ELEMENTARY TEACHERS.

PERSONAL AUTHOR: CHROUSER, WILLIAM HARVEY

DESCRIPTOR: *BIOLOGY; CLASSROOM ARRANGEMENT; CLASSROOM ENVIRONMENT; *COMPARATIVE ANALYSIS; ELEMENTARY SCHOOL TEACHERS; *INSTRUCTION; OUTDOOR EDUCATION; PRESERVICE EDUCATION; *SCIENCE LABORATORIES; *TEACHER EDUCATION

IDENTIFIER: RESEARCH REPORTS

EDRS PRICE: DOCUMENT NOT AVAILABLE FROM EDRS.

DESCRIPTIVE NOTE: 113P.; ED.D. DISSERTATION, UNIVERSITY OF NORTHERN COLORADO

THIS STUDY WAS DESIGNED TO INVESTIGATE AND COMPARE THE EFFECTS OF TWO LABORATORY APPROACHES IN BIOLOGY UPON PROSPECTIVE ELEMENTARY TEACHERS IN THEIR UNDERSTANDING OF THE SOCIAL ASPECTS OF SCIENCE, ACHIEVEMENT IN SELECTED BIOLOGICAL PRINCIPLES, UNDERSTANDING OF SCIENCE AS PROCESS, AND ABILITY IN CRITICAL THINKING. THE TWO APPROACHES COMPARED WERE THE CONVENTIONAL INDOOR LABORATORY AND THE OUTDOOR LABORATORY. STUDENTS AT COLORADO STATE COLLEGE PARTICIPATED IN THE PROJECT DURING 1969. DATA WERE OBTAINED BY ADMINISTERING VALIDATED PRE- AND POST-TESTS IN EACH OF THE FOUR AREAS OF CONCERN. THESE INCLUDED THE TEST ON THE SOCIAL ASPECTS OF SCIENCE; UNDERSTANDING OF SELECTED BIOLOGICAL PRINCIPLES: AN EXAMINATION; METHODS AND PROCEDURES OF SCIENCE: AN EXAMINATION; AND THE WATSON-GLASER CRITICAL THINKING APPRAISAL. ANALYSIS OF TEST RESULTS LED THE INVESTIGATOR TO SUGGEST THAT WHEN IT IS FEASIBLE AND APPROPRIATE, THE OUTDOORS SHOULD BE UTILIZED AS A LABORATORY AND AS A CLASSROOM, NOT ONLY BECAUSE OF THE EFFECT ON SOCIETY AND THE AFFECTIVE DOMAIN, BUT ALSO BECAUSE OF THE EFFECT ON THE COGNITIVE DOMAIN. (AUTHOR/BL)

AVAILABILITY: UNIVERSITY MICROFILMS, 300 NORTH ZEEB ROAD, ANN ARBOR, MICHIGAN 48106 (ORDER NO. 71-14,522 M-$4.00 X-$10.00)

ACCESSION NUMBER: ED071805

PUBLICATION DATE: 70

TITLE: OUTDOOR EDUCATION. THE CLASSROOM TEACHER SERIES IN HEALTH EDUCATION, PHYSICAL EDUCATION, AND RECREATION, NO. 3. REVISED EDITION, 1970.

PERSONAL AUTHOR: SMITH, JULIAN W.

DESCRIPTOR: *ACTIVITY LEARNING; COMMUNITY RESOURCES; CREATIVE TEACHING; EDUCATIONAL NEEDS; *ELEMENTARY SCHOOL STUDENTS; FIELD TRIPS; LIVING STANDARDS; *OUTDOOR EDUCATION; PAMPHLETS; *RESIDENT CAMP PROGRAMS; *RESOURCE MATERIALS

EDRS PRICE: EDRS PRICE MF-$0.65 HC NOT AVAILABLE FROM EDRS.

DESCRIPTIVE NOTE: 32P.

THE PRIMARY PURPOSE OF THIS PAMPHLET IS TO PROMOTE A BETTER UNDERSTANDING OF OUTDOOR EDUCATION AND ITS VALUE IN SCHOOLS. FIVE REASONS ARE GIVEN FOR THE INCLUSION OF OUTDOOR EDUCATION IN THE ELEMENTARY SCHOOL PROGRAM: (1) LEARNING TAKES PLACE MOST EFFECTIVELY THROUGH DIRECT EXPERIENCE--BEGINNING WITH CONCRETE ACTIVITIES AND LETTING USEFUL ABSTRACTIONS FOLLOW; (2) OUTDOOR EDUCATION PROVIDES A SETTING THAT MAKES TEACHING MORE CREATIVE; (3) SOME OBJECTIVES OF THE CURRICULUM CAN BE ACHIEVED MORE EFFECTIVELY OUTSIDE THE CLASSROOM IN AN OUTDOOR SITUATION; (4) THE OUT-OF-DOORS IS A COMMUNITY RESOURCE FOR EDUCATION AND SHOULD BE USED TO THE BEST ADVANTAGE IN THE SCHOOL PROGRAM; AND (5) MODERN CONDITIONS OF LIVING HAVE INCREASED THE NEED FOR OUTDOOR EDUCATION. TOPICS OF DISCUSSION INCLUDE TAKING THE CLASSROOM OUT-OF-DOORS; OUTDOOR EDUCATION AS LABORATORIES FOR SCHOOLS; RESIDENT OUTDOOR SCHOOLS, WITH A SAMPLE ELEMENTARY OUTDOOR SCHOOL PROGRAM; AND RESOURCES FOR OUTDOOR EDUCATION, INCLUDING SELECTED REFERENCES AND FILMS. (HBC)

AVAILABILITY: AMERICAN ASSOCIATION FOR HEALTH, PHYSICAL EDUCATION AND RECREATION, 1201 SIXTEENTH STREET, N.W., WASHINGTON, D.C. 20036 ($1.25)

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ACCESSION NUMBER: ED071811

PUBLICATION DATE: 72

TITLE: PLANNING FOR RESIDENT OUTDOOR EDUCATION. TAFT CAMPUS OCCASIONAL PAPER NO. VIII.

PERSONAL AUTHOR: DONALDSON, GEORGE W.

DESCRIPTOR: COMMUNITY ATTITUDES; CURRICULUM; *EDUCATIONAL PLANNING; EVALUATION; FINANCIAL POLICY; INSTRUCTIONAL MATERIALS; *INTEGRATED ACTIVITIES; *OUTDOOR EDUCATION; PERSONNEL SELECTION; *RESIDENT CAMP PROGRAMS; SITE SELECTION; *TEACHER EDUCATION

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$3.29

DESCRIPTIVE NOTE: 21P.

FACTORS TO BE CONSIDERED IN THE PLANNING AND DEVELOPMENT OF A RESIDENT OUTDOOR EDUCATION PROGRAM ARE PRESENTED IN THIS PAPER. IT IS NOTED THAT BASIC EDUCATIONAL PLANNING MUST COME FIRST AND EVERY OTHER ASPECT OF PLANNING SHOULD THEN REFER TO THE EDUCATIONAL PLAN. VARIOUS ASPECTS OF PLANNING ARE DESCRIBED INCLUDING PLANNING THE EDUCATIONAL PROGRAM; PERSONNEL ASSIGNMENT, SELECTION, AND TRAINING; SITE SELECTION; FINANCING THE PROGRAM; INTERPRETING THE PROGRAM TO THE COMMUNITY; ADMINISTRATIVE STRUCTURE, INSURANCE, AND OTHER CONCERNS; AND EVALUATION. A CHECKLIST OF DESIRABLE FACILITY CRITERIA FOR OUTDOOR EDUCATION RESIDENT CENTERS IS INCLUDED. (PS)

ACCESSION NUMBER: ED071836

PUBLICATION DATE: 71

TITLE: RELATIONSHIPS THROUGH CONSERVATION. PLAIN LOCAL SCHOOLS, OUTDOOR EDUCATION PROGRAM.

PERSONAL AUTHOR: ORENTA, VICTOR; BARTLEY, H. E.

DESCRIPTOR: ADMINISTRATIVE ORGANIZATION; COMMUNITY RESPONSIBILITY; *CONSERVATION EDUCATION; *GRADE 6; HYGIENE; INSTRUCTIONAL MATERIALS; *MANUALS; *OUTDOOR EDUCATION; *RESIDENT CAMP PROGRAMS; SCHEDULING

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$6.58

DESCRIPTIVE NOTE: 110P.

THE PURPOSE OF THIS OUTDOOR EDUCATION PROGRAM WAS TO DEVELOP IN CHILDREN A KEENER INSIGHT INTO THE RESPONSIBILITIES OF CITIZENSHIP, AS WELL AS A BETTER UNDERSTANDING OF MAN'S INTERRELATIONSHIP WITH AND DEPENDENCE ON NATURE. THE PROGRAM WAS AN EXTENSION OF THE SCHOOL CURRICULUM TO THE OUT-OF-DOORS AND OFFERED OPPORTUNITIES FOR DEVELOPING MANY OF THE SOCIALLY DESIRABLE ATTITUDES, SKILLS, HABITS, AND INTERESTS NEEDED FOR LATER LIFE. THIS MANUAL IS INTENDED AS A BASIC SOURCE FOR BOTH EXPERIENCED AND INEXPERIENCED OUTDOOR PERSONNEL. PLANNING FOR THE CAMP IS DISCUSSED IN TERMS OF THE ORGANIZATION OF THE OUTDOOR EDUCATION PROGRAM; THE SCHEDULE OF ACTIVITIES; LIVING IN THE CAMP COMMUNITY; GETTING ACQUAINTED WITH THE NEW ENVIRONMENT; THE OUTDOOR EDUCATION ROUTINE; EVALUATING THE OUTDOOR EDUCATION EXPERIENCES; AND THE OUTDOOR EDUCATION TEACHER AND COUNSELOR, WHICH INCLUDES THE CLASSROOM TEACHER'S RESPONSIBILITIES IN PREPARING THE STUDENTS TO GO TO CAMP AND SUGGESTS PRE- AND POST-OUTDOOR EDUCATION ACTIVITIES FOR THE CLASSROOM. SPECIFIC INSTRUCTIONAL UNITS INCLUDE WATER AND RELATED USES, ROCKS AND SOILS, LIVING THINGS OF THE SEASON, AND FORESTRY. FOR EACH UNIT, MATERIAL FOR PRESENTATION, IDENTIFICATION CHARTS, AND SUGGESTED ACTIVITIES ARE INCLUDED. (HBC)

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ACCESSION NUMBER: ED071917

PUBLICATION DATE: 72

TITLE: USING THE SCHOOL AND COMMUNITY, AN ENVIRONMENTAL STUDY AREA, TEACHERS' HANDBOOK.

PERSONAL AUTHOR: ROLLER, LIB

DESCRIPTOR: COMMUNITY STUDY; *ELEMENTARY GRADES; *ENVIRONMENTAL EDUCATION; *INSTRUCTIONAL MATERIALS; INTERDISCIPLINARY APPROACH; *LEARNING ACTIVITIES; OUTDOOR EDUCATION; *TEACHING GUIDES; TRAILS

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$6.58

DESCRIPTIVE NOTE: 194P.

DESIGNED TO GIVE THE ELEMENTARY TEACHER SOME IDEAS FOR USING THE SCHOOL SITE AND THE COMMUNITY AS AN ENVIRONMENTAL STUDY AREA, THIS GUIDE OFFERS ACTIVITIES AND SUGGESTIONS TO EXPLORE ALL ASPECTS OF THE ENVIRONMENT. GAINING AN UNDERSTANDING OF THE ENVIRONMENT AND MAN'S RELATIONSHIP TO THE ENVIRONMENT ARE EMPHASIZED. THE ULTIMATE GOAL IS TO DEVELOP CITIZENS WITH A PERSONAL SENSE OF INVOLVEMENT AND AN ATTITUDE THAT WILL GUIDE THEIR BEHAVIOR TOWARDS THE WISE USE OF ALL OUR RESOURCES. PART 1 DISCUSSES SELECTING A SITE FOR ENVIRONMENTAL STUDY AND SURVEYING ITS EDUCATIONAL POSSIBILITIES. PART 2 OUTLINES STEPS FOR SETTING UP A NATURE TRAIL ON SCHOOL GROUNDS TOGETHER WITH ACTIVITIES FOR USE OF THE TRAIL. THE INTERDISCIPLINARY APPROACH OF ENVIRONMENTAL EDUCATION IS PROMOTED IN PART 3. WORK SHEETS FOR ON-SITE INVOLVEMENT IN LANGUAGE ARTS, SOCIAL STUDIES, SCIENCE, MATH, ART AND MUSIC ARE GIVEN. SEVERAL PAGES AND IDEAS ADAPTED FROM "ALL AROUND YOU, AN ENVIRONMENTAL STUDY GUIDE" (ED 064 131) ARE REPRINTED. PART 4 DEALS WITH ENVIRONMENTAL PROBLEMS: AIR, WATER, NOISE, WASTE, AND VISUAL POLLUTION, LAND USE, POPULATION, AND MISCELLANEOUS URBAN PROBLEMS. EACH TOPIC PROVIDES BACKGROUND MATERIAL FOR THE TEACHER, ACTIVITIES FOR THE CLASSROOM, AND SCHOOL SITE AND COMMUNITY ACTIVITIES. (BL)

ACCESSION NUMBER: ED072584

PUBLICATION DATE: JUN 72

TITLE: OUTDOOR EDUCATION EXPERIENCES FOR EMOTIONALLY HANDICAPPED CHILDREN AND YOUTH.

DESCRIPTOR: *CONFERENCE REPORTS; CURRICULUM GUIDES; *EDUCATIONAL OPPORTUNITIES; *EMOTIONALLY DISTURBED; *EXCEPTIONAL CHILD EDUCATION; *OUTDOOR EDUCATION; PHYSICAL EDUCATION; PROGRAM EVALUATION; SUMMER PROGRAMS; THERAPY

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$6.58

DESCRIPTIVE NOTE: 170P.; INSTITUTE PROCEEDINGS, JUNE 7, 8 AND 9, 1972, VALCOUR CONFERENCE CENTER, PLATTSBURGH, NEW YORK

PRESENTED ARE PROCEEDINGS FROM A 3 DAY CONFERENCE AT WHICH PHYSICAL EDUCATION AND RECREATION PERSONNEL AND TEACHERS OF EMOTIONALLY DISTURBED CHILDREN CONSIDERED THE EDUCATIONAL AND THERAPEUTIC POSSIBILITIES OF OUTDOOR EDUCATION FOR EMOTIONALLY DISTURBED CHILDREN. THE INTRODUCTORY ADDRESS EXPLAINS THAT THE OUTDOOR EDUCATIONAL PROCESS IS ESPECIALLY SUITED TO NEEDS OF THE EMOTIONALLY DISTURBED BECAUSE A RESIDENTIAL OUTDOOR EDUCATIONAL EXPERIENCE CAN MINIMIZE FEELINGS OF INSTITUTIONALIZATION WHICH MAY THREATEN THE EMOTIONALLY HANDICAPPED CHILD, AND BECAUSE OUTDOOR EXPERIENCES OFFER THE ADDED DIMENSION OF ADVENTURE TO LEARNING. DESCRIBED IS A SUMMER PROGRAM WHICH ACCEPTS EMOTIONALLY DISTURBED BOYS AND GIRLS IN 2 WEEK SESSIONS AND ATTEMPTS TO ENHANCE SELF CONCEPTS AND CHANGE ATTITUDES TOWARD SCHOOL AND THE LEARNING PROCESS. NOTED ARE RESOURCES AVAILABLE FOR OUTDOOR EDUCATION PROGRAMS AS WELL AS ADMINISTRATIVE CONCERNS RELATED TO FINANCING SUCH PROGRAMS. FOUR SPEAKERS PROVIDE PRACTICAL GUIDELINES (WHICH COMPRISE THE MAJOR PART OF THE PROCEEDINGS) SHOWING HOW SCIENCE, MATHEMATICS, SOCIAL STUDIES, AND ART CURRICULA COULD BE ENRICHED BY USING OUTDOOR EDUCATION TECHNIQUES. FINAL SECTIONS DEAL WITH EVALUATIONS OF PROPOSED OUTDOOR EDUCATION PROGRAMS AS WELL AS EVALUATIONS OF THE INSTITUTE. (GW)

ACCESSION NUMBER: ED072874

PUBLICATION DATE: 72

TITLE: YESTERDAY I FOUND...

PERSONAL AUTHOR: PAULL, DOROTHY; PAULL, JOHN

DESCRIPTOR: *ELEMENTARY GRADES; *ENVIRONMENTAL EDUCATION; INDEPENDENT STUDY; *INDIVIDUALIZED CURRICULUM; NATURAL SCIENCES; OUTDOOR EDUCATION; PROGRAM DESCRIPTIONS; RESOURCE MATERIALS; *SCIENCE ACTIVITIES; STUDENT CENTERED CURRICULUM; STUDENT PROJECTS; STUDENT SCIENCE INTERESTS

IDENTIFIER: *ENGLAND

EDRS PRICE: DOCUMENT NOT AVAILABLE FROM EDRS.

DESCRIPTIVE NOTE: 70P.

THIS BOOKLET DESCRIBES AN ELEMENTARY SCHOOL PROGRAM AT ANSTEY LATIMER PRIMARY SCHOOL IN LEICESTERSHIRE, ENGLAND, THAT USED THE NATURAL ENVIRONMENT AS THE FOCUS FOR ITS STUDIES. STUDENTS WERE 7 TO ELEVEN YEARS OLD, AND EACH CLASS HAD TWO OR THREE AGES GROUPED TOGETHER. STUDENTS WERE ALLOWED TO PURSUE WHATEVER PROJECTS INTERESTED THEM. THE PROJECTS DESCRIBED, WITH COMMENTARY BY BOTH AUTHORS, ARE: (1) BONES, FOR A START--INDEPENDENT STUDY BY ONE STUDENT; (2) A QUALIFIED FAILURE--A STUDY OF MOLDS THAT FAILED BECAUSE IT WAS TEACHER-INITIATED AND DOMINATED; (3) ANIMALS AND ANIMALS--STUDY OF ANIMAL DEVELOPMENT AND LIFE IN THE CLASSROOM; (4) SHELLS; (5) A ROCK SNOWBALL; (6) STAMPS; (7) THE STREAM TABLE; (8) THE NEAR ENVIRONMENT--STUDY OF THE NATURAL ENVIRONMENT OF THE TOWN; (9) AWAY FROM THE HERE AND NOW--A STUDENT-INITIATED WRITING PROJECT; AND (10) FIELD TRIPS. THE STREAM TABLE TRANSCRIPT AND A LIST OF CLASSROOM EQUIPMENT ARE PROVIDED IN APPENDICES. (KM)

AVAILABILITY: MOUNTAIN VIEW CENTER FOR ENVIRONMENTAL EDUCATION, UNIVERSITY OF COLORADO, 1511 UNIVERSITY AVENUE, BOULDER, COLORADO 80302 ($3.00, PAPER)

ACCESSION NUMBER: ED072882

PUBLICATION DATE: 65

TITLE: BACKGROUNDS OF OUTDOOR EDUCATION: A REVIEW OF EARLY STUDIES IN CAMPING AS EDUCATION. TAFT CAMPUS OCCASIONAL PAPER NO. IX.

PERSONAL AUTHOR: WIENER, MORRIS

DESCRIPTOR: BACKGROUND; *CAMPING; DAY CAMP PROGRAMS; EDUCATIONAL PHILOSOPHY; *EDUCATIONAL PROGRAMS; *LITERATURE REVIEWS; OBJECTIVES; *OUTDOOR EDUCATION; RECREATION; *RESEARCH; SUMMER PROGRAMS

EDRS PRICE: EDRS PRICE MF-$0.65 HC NOT AVAILABLE FROM EDRS.

DESCRIPTIVE NOTE: 10P.; CHAPTER II OF A COPYRIGHTED THESIS, "DEVELOPING A RATIONALE FOR OUTDOOR EDUCATION," MICHIGAN STATE UNIVERSITY, 1965, BY AUTHOR

UNTIL THE DEPRESSION OF THE 1930S, CAMPING WAS VALUED SIMPLY FOR ITS RECREATIONAL AND HEALTH BENEFITS. THEN, WITH THE ADVENT OF THE PHILOSOPHY OF PROGRESSIVISM AND THE CONSEQUENT CHANGES IN EDUCATIONAL GOALS AND PRACTICES, THE EDUCATIONAL POTENTIALS OF CAMPING ALSO BEGAN TO BE EXAMINED. ATTEMPTS TO REDEFINE THE ROLE OF CAMPING AND TO SEEK RECOGNITION FROM THE PROGRESSIVE ELEMENTS IN EDUCATION WERE MADE. IN THIS PAPER, TAKEN FROM A COPYRIGHTED THESIS, "DEVELOPING A RATIONALE FOR OUTDOOR EDUCATION," EARLY STUDIES ON CAMPING AS EDUCATION ARE REVIEWED. THESE STUDIES WERE CONDUCTED DURING AND FOLLOWING THE PERIOD OF DEPRESSION, UNEMPLOYMENT, AND BUSINESS FAILURE IN THE 1930S. THE STUDIES EXAMINED CAMPING IN TERMS OF ITS SOCIOLOGICAL ORIENTATION AND ITS TRANSITION FROM A RECREATIONAL ACTIVITY ONLY TO AN EDUCATIONAL ACTIVITY AS WELL. THE CONCEPT OF SOCIAL WELFARE CAMPING WAS ALSO EXAMINED. NOT AVAILABLE IN HARD COPY DUE TO MARGINAL LEGIBILITY OF ORIGINAL DOCUMENT. (NQ)

ACCESSION NUMBER: ED073903

PUBLICATION DATE: MAR 73

TITLE: OUTDOOR EDUCATION, A SELECTED BIBLIOGRAPHY (WITH ERIC ABSTRACTS). ERIC/CRESS SUPPLEMENT NO. 2.

DESCRIPTOR: ABSTRACTS; *ANNOTATED BIBLIOGRAPHIES; CAMPING; *CONSERVATION EDUCATION; ECOLOGY; ELEMENTARY SCHOOL SCIENCE; *ENVIRONMENTAL EDUCATION; INSTRUCTIONAL MATERIALS; *NATURAL RESOURCES; *OUTDOOR EDUCATION; TEACHING GUIDES

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$6.58

DESCRIPTIVE NOTE: 174P.

SOME 111 DOCUMENTS AND 80 JOURNAL ARTICLES PUBLISHED BETWEEN 1965 AND 1972 ARE CITED IN THIS BIBLIOGRAPHY ON OUTDOOR EDUCATION. PART I CONTAINS CITATIONS AND ABSTRACTS WHICH APPEARED IN "RESEARCH IN EDUCATION" BETWEEN APRIL 1971 AND SEPTEMBER 1972. PART II INCLUDES CITATIONS OF JOURNAL ARTICLES FROM "CURRENT INDEX TO JOURNALS IN EDUCATION" FROM THE JANUARY 1971 ISSUE THROUGH THE SEPTEMBER 1972 ISSUE. IN ADDITION TO OUTDOOR EDUCATION, THE AREAS OF CONSERVATION EDUCATION, RECREATION, ECOLOGY, AND NATURAL RESOURCES ARE REPRESENTED IN THIS BIBLIOGRAPHY. TYPES OF MATERIALS CITED INCLUDE RESEARCH REPORTS, PROGRAM DESCRIPTIONS, INSTRUCTIONAL MATERIALS, AND TEACHING GUIDES. IN ORDER TO FACILITATE LOCATION OF DOCUMENTS IN A SPECIFIC SUBJECT AREA, AN INDEX OF SUBJECT TERMS IS PROVIDED AT THE END OF THIS PUBLICATION. ORDERING INFORMATION FOR THE ERIC MATERIALS CITED AND AN ORDER FORM ARE ALSO PROVIDED. RELATED DOCUMENTS ARE ED 037 285 AND ED 055 702. (NC)

AVAILABILITY: SUPERINTENDENT OF DOCUMENTS, U.S. GOVERNMENT PRINTING OFFICE, WASHINGTON, D.C. 20402

ACCESSION NUMBER: ED073911

PUBLICATION DATE: 72

TITLE: A GUIDE TO MINNESOTA ENVIRONMENTAL EDUCATION AREAS.

PERSONAL AUTHOR: FISHER, WES, COMP.; GRUCHOW, NANCY, COMP.

DESCRIPTOR: *DIRECTORIES; *ENVIRONMENTAL EDUCATION; INDEXES (LOCATERS); NATURAL RESOURCES; NATURE CENTERS; *OUTDOOR EDUCATION; *RURAL AREAS; SITE DEVELOPMENT; *STUDY FACILITIES

IDENTIFIER: *MINNESOTA

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$6.58

DESCRIPTIVE NOTE: 117P.

MORE THAN 400 AREAS IN MINNESOTA, USEFUL AS SITES FOR ENVIRONMENTAL STUDIES, ARE CATALOGUED IN THIS GUIDE. THEY INCLUDE STATE PARKS AND WAYSIDES, STATE FORESTS, STATE WILDLIFE MANAGEMENT AREAS, WATERFOWL PRODUCTION AREAS, NATIONAL FORESTS, NATURE CENTERS AND PRESERVES, METROPOLITAN, COUNTY AND CITY PARKS, OUTDOOR EDUCATION SCHOOL SITES, SCHOOL FORESTS, PRIVATE CONSERVATION FARMS AND CAMPGROUNDS, PRIVATE CAMPS, HISTORIC SITES AND MONUMENTS, UNIVERSITY AND COLLEGE STUDY AREAS, BOY SCOUT AND GIRL SCOUT CAMPS AND FOUNDATION SITES. INTRODUCTORY SECTIONS ELABORATE UPON THE WIDE RANGE OF POSSIBLE STUDY SITES OUTSIDE THE CLASSROOM AND ENUMERATE FACTORS WHICH SHOULD BE CONSIDERED WHILE TEACHING IN NATURAL AREAS. FOR A GENERAL OVERVIEW OF THE STATE, FOUR MAPS SHOW THE SOIL TYPES, BEDROCK FORMATIONS, GENERAL LANDFORMS, AND FOREST VEGETATION. THE MAJOR SECTION OF THE GUIDE COMPILES THE AREAS IN ALPHABETICAL ORDER BY COUNTIES. EACH ENTRY PROVIDES A SHORT DESCRIPTION OF THE AREA OR SITE TOGETHER WITH ITS OFFICIAL NAME, WHEN IT IS OPEN, SIZE, TYPE OF AREA, LOCATION, AND SOURCE TO CONTACT FOR ADDITIONAL INFORMATION. A GLOSSARY OF TERMS AND INDEX TO ALL AREAS CONCLUDES THE BOOK. (BL)

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ACCESSION NUMBER: ED073912

PUBLICATION DATE: 72

TITLE: EDUCATIONAL LANDS RESOURCE ASSESSMENT.

PERSONAL AUTHOR: JOSTAD, KAREN

DESCRIPTOR: EDUCATIONAL RESOURCES; *ENVIRONMENTAL EDUCATION; EVALUATION; *FACILITIES; *GUIDES; *LAND USE; MAINTENANCE; NATURAL RESOURCES; *OUTDOOR EDUCATION; *SITE ANALYSIS; SITE DEVELOPMENT; SITE SELECTION

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$3.29

DESCRIPTIVE NOTE: 16P.

SUGGESTIONS OFFERED IN THIS MANUAL MAY AID IN THE FORMATION AND MAINTENANCE OF AN ENVIRONMENTAL EDUCATION PROGRAM. IT IS DESIGNED TO ENCOURAGE THE USE OF THE OUTDOOR CLASSROOM, TO PROVIDE A MEANS OF ASSESSING THE APPROPRIATENESS OF A PARTICULAR SITE FOR ENVIRONMENTAL EDUCATION PURPOSES, AND TO SUGGEST HOW SUCH A SITE MAY BE MAINTAINED FOR CONTINUED USE IN AN ENVIRONMENTAL EDUCATION PROGRAM. CRITERIA FOR THE SELECTION OF SITES ARE ENUMERATED, CONSIDERING UNIQUENESS OF POTENTIAL USE, FEASIBILITY OF THE SITE FOR A PARTICULAR USE, AND THE CAPABILITIES OF WITHSTANDING THE IMPACTS OF USE. ALSO, CRITERIA ARE INCLUDED BY WHICH THE EFFECTS OF USE ON THE SITE CAN BE DETERMINED, INVOLVING SITE MODIFICATIONS NECESSARY TO LESSEN THE EFFECTS OF USE AND PERIODIC UPKEEP. SEVERAL INVENTORIES ARE DESCRIBED AND RECOMMENDED IN ADDITION TO A GENERAL SITE INVENTORY: COMFORT AND SAFETY, EDUCATIONAL VALUE, AND ENVIRONMENTAL EDUCATION POTENTIAL. OTHER CHARTS NOTE EDUCATIONAL NEEDS AND TECHNIQUES, THE FOCUS OF ENVIRONMENTAL EDUCATION, LAND NEEDS, PROBLEMS ASSOCIATED WITH THE AREA, RECOMMENDED DENSITY USE, AND EFFECTS OF USE. (BL)

ACCESSION NUMBER: ED073913

PUBLICATION DATE: 73

TITLE: LEARNING TO LIVE: A MANUAL OF ENVIRONMENTAL EDUCATION ACTIVITIES.

DESCRIPTOR: ECOLOGY; ELEMENTARY GRADES; *ENVIRONMENTAL EDUCATION; *GUIDES; INSTRUCTIONAL MATERIALS; *LEARNING ACTIVITIES; NATURAL RESOURCES; *OUTDOOR EDUCATION; SECONDARY GRADES

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$3.29

DESCRIPTIVE NOTE: 31P.

CONTRIBUTIONS FROM A VARIETY OF SOURCES ARE COMPILED IN THIS MANUAL TO PROVIDE BOTH STUDENTS AND TEACHERS WITH ENVIRONMENTAL STUDY ACTIVITIES. SEVERAL ACTIVITIES ARE SUGGESTED UNDER EACH OF THE FOLLOWING TOPICS: ECOLOGY AND ESTHETICS (EMPHASIZING AWARENESS); THE DECISION-MAKING PROCESS (RESOURCE MANAGEMENT PROBLEMS); A PLEA FOR AN ALTERNATIVE (ASSESSING THE IMPACT OF SNOWMOBILES ON THE WINTER ENVIRONMENT); STUDYING GRAY SQUIRREL HABITAT; A DEER BROWSE STORY (INDICATING INTRICATE PLANT-ANIMAL INTERRELATIONSHIPS); SNOW HYDROLOGY; INSPECTION OF A LOGGING PROJECT (HOW LOGGING BENEFITS THE FOREST AND WILDLIFE); HOW TO BUILD A COMPOST PILE (REDUCING THE VOLUME OF SOLID WASTE); ENVIRONMENTAL ACTION ACTIVITIES (ACTION PROJECTS); NATURE ACTIVITIES (TO DO ON A HIKE OR FIELD TRIP); AND GOING SOMEWHERE? (PLACES TO GO AND THINGS TO SEE OUTDOORS). APPROPRIATE CHARTS, DIAGRAMS, AND PICTURES ARE INCLUDED. (BL)

44

ACCESSION NUMBER: ED073927

PUBLICATION DATE: JAN 73

TITLE: SPECIAL EDUCATION MASTER KEY AND INDEX FOR ENVIRONMENTAL CURRICULUM MATERIALS.

PERSONAL AUTHOR: GAROWSKI, ROBERT; AND OTHERS

DESCRIPTOR: *DISADVANTAGED GROUPS; *ELEMENTARY GRADES; ENVIRONMENTAL EDUCATION; *INDEXES (LOCATERS); INSTRUCTIONAL MATERIALS; *LEARNING ACTIVITIES; MODELS; *OUTDOOR EDUCATION; REFERENCE MATERIALS; RESOURCE MATERIALS; SPECIAL EDUCATION

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$3.29

DESCRIPTIVE NOTE: 75P.

PREPARED FOR TEACHERS WORKING WITH DISADVANTAGED STUDENTS, THIS BOOKLET CONTAINS KEYS AND INDEXES FOR ACTIVITIES IN THE OUT-OF-DOORS. IT SHOULD BE USED IN CONJUNCTION WITH FIELD TRIP ACTIVITY SHEETS AND FOLLOW-UP MATERIALS CURRENTLY AVAILABLE THROUGH THE SOUTHEASTERN PENNSYLVANIA OUTDOOR EDUCATION CENTER AND DESCRIBED IN THE FOLLOWING DOCUMENTS: SE 015 816 - SE 015 818. EACH OF THE 88 FIELD TRIP ACTIVITIES AND 82 FOLLOW-UP ITEMS IS CATEGORIZED ACCORDING TO VALETT'S SCHEMA OF BASIC LEARNING ABILITIES: (1) SENSORY-MOTOR INTEGRATION, (2) PERCEPTUAL-MOTOR SKILLS, (3) LANGUAGE DEVELOPMENT, (4) CONCEPTUAL SKILLS, AND (5) SOCIAL SKILLS. THE KEYS INDICATE BOTH MAJOR DIVISIONS AND SUBDIVISIONS OF THE SCHEMA. INDEXES ALSO REFLECT ALL THE SUBDIVISIONS CONTAINED WITHIN THE MAJOR CATEGORIES AND NOTE SPECIFIC ACTIVITIES FOR EACH COMPONENT. THE ACTIVITIES ARE DESIGNED FOR STUDENTS IN GRADES KINDERGARTEN THROUGH SIX, FOCUSING ON THE INTERDEPENDENCE OF LIFE; THE RELATIONSHIP OF MAN, ANIMALS, AND PLANTS TO EACH OTHER AND TO THE ENVIRONMENT. THEY UTILIZE A DISCOVERY AND QUESTIONING APPROACH TO STUDY (1) THE SEASONS, (2) FLORA, (3) FAUNA, (4) HABITATS, (5) WEATHER, GEOLOGY, SOILS, HYDROGRAPHY, AND (6) AWARENESS, MAN AND NATURE. (BL)

ACCESSION NUMBER: ED073928

PUBLICATION DATE: JAN 73

TITLE: ENVIRONMENTAL CURRICULUM MATERIALS, LEVEL I (K-1).

DESCRIPTOR: *DISCOVERY LEARNING; ENVIRONMENTAL EDUCATION; FIELD TRIPS; GRADE 1; INSTRUCTIONAL MATERIALS; INSTRUCTIONAL PROGRAM DIVISIONS; KINDERGARTEN; *LEARNING ACTIVITIES; NATURAL RESOURCES; *OUTDOOR EDUCATION; *PRIMARY GRADES; *TEACHING GUIDES

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$3.29

DESCRIPTIVE NOTE: 58P.

NINETEEN OUTDOOR ACTIVITIES AND 16 FOLLOW-UP ACTIVITIES FOR CHILDREN IN KINDERGARTEN AND GRADE ONE ARE COLLECTED IN THIS TEACHER'S-GUIDE. THEY FOCUS ON THE INTERDEPENDENCE OF LIFE: THE RELATIONSHIP OF MAN, ANIMALS, AND PLANTS TO EACH OTHER AND TO THE ENVIRONMENT. MOST ARE DESIGNED AS FIELD TRIPS, UTILIZING A DISCOVERY AND QUESTIONING APPROACH TO LEARNING. BASED ON PILOT ACTIVITIES CONDUCTED AT THE SOUTHEASTERN PENNSYLVANIA OUTDOOR EDUCATION CENTER, THEY WERE SUBSEQUENTLY REVISED AND ADAPTED BY THE NEW CASTLE-GUNNING BEDFORD ENVIRONMENTAL LABORATORY, AN ESEA TITLE III PROJECT. A MASTER-KEY DIVIDES THE MAJOR ACTIVITIES INTO CATEGORIES: (1) SEASONAL ACTIVITIES, (2) FLORA, (3) FAUNA, (4) HABITAT STUDIES, (5) WEATHER, GEOLOGY, SOILS, HYDROGRAPHY, AND (6) AWARENESS, MAN AND NATURE. FOR EACH ACTIVITY APPROPRIATE GRADE LEVEL(S), SEASON(S) IN WHICH TO CONDUCT IT, AND COORDINATED FOLLOW-UP ACTIVITY(IES) ARE IDENTIFIED. A SIMILAR KEY IS PROVIDED FOR FOLLOW-UP ACTIVITIES INDICATING THE MAJOR ACTIVITY WITH WHICH IT IS ASSOCIATED IN PLACE OF THE COORDINATED FOLLOW-UP ACTIVITY. EACH LESSON OUTLINES OBJECTIVES, PROCEDURES AND/OR ACTIVITIES ON THE TRIP, AND PERTINENT QUESTIONS. DIAGRAMS AND CHARTS SUPPLEMENT SOME OF THE INFORMATION. (BL)

46

ACCESSION NUMBER: ED073929

PUBLICATION DATE: JAN 73

TITLE: ENVIRONMENTAL CURRICULUM MATERIALS, LEVEL II (2-3-4).

DESCRIPTOR: *DISCOVERY LEARNING; *ELEMENTARY GRADES; ENVIRONMENTAL EDUCATION; FIELD TRIPS; GRADE 2; GRADE 3; GRADE 4; INSTRUCTIONAL MATERIALS; INSTRUCTIONAL PROGRAM DIVISIONS; *LEARNING ACTIVITIES; NATURAL RESOURCES; *OUTDOOR EDUCATION; *TEACHING GUIDES

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$6.58

DESCRIPTIVE NOTE: 183P.

MORE THAN 60 OUTDOOR ACTIVITIES AND 50 FOLLOW-UP ACTIVITIES FOR CHILDREN IN GRADES TWO, THREE, AND FOUR ARE COLLECTED IN THIS TEACHER'S GUIDE. THEY FOCUS ON THE INTERDEPENDENCE OF LIFE; THE RELATIONSHIP OF MAN, ANIMALS, AND PLANTS TO EACH OTHER AND TO THE ENVIRONMENT. MOST ARE DESIGNED AS FIELD TRIPS, UTILIZING A DISCOVERY AND QUESTIONING APPROACH TO LEARNING. BASED ON PILOT ACTIVITIES CONDUCTED AT THE SOUTHEASTERN PENNSYLVANIA OUTDOOR EDUCATION CENTER, THEY WERE SUBSEQUENTLY REVISED AND ADAPTED BY THE NEW CASTLE-GUNNING BEDFORD ENVIRONMENTAL LABORATORY, AN ESEA TITLE III PROJECT. A MASTER KEY DIVIDED THE MAJOR ACTIVITIES INTO CATEGORIES: (1) SEASONAL ACTIVITIES, (2) FLORA, (3) FAUNA, (4) HABITAT STUDIES, (5) WEATHER, GEOLOGY, SOILS, HYDROGRAPHY, AND (6) AWARENESS, MAN AND NATURE. FOR EACH ACTIVITY ALSO CHECKED ARE APPROPRIATE GRADE LEVEL(S), SEASON(S) IN WHICH TO CONDUCT IT, AND COORDINATED FOLLOW-UP ACTIVITY(IES). A SIMILAR KEY IS PROVIDED FOR FOLLOW-UP ACTIVITIES INDICATING THE MAJOR ACTIVITY WHICH IT IS ASSOCIATED WITH IN PLACE OF THE COORDINATED FOLLOW-UP ACTIVITY. EACH LESSON OUTLINES OBJECTIVES, PROCEDURES AND/OR ACTIVITIES ON THE TRIP, AND PERTINENT QUESTIONS. DIAGRAMS AND CHARTS SUPPLEMENT SOME OF THE INFORMATION. (BL)

ACCESSION NUMBER: ED073930

PUBLICATION DATE: JAN 73

TITLE: ENVIRONMENTAL CURRICULUM MATERIALS, LEVEL III (5,6).

DESCRIPTOR: *DISCOVERY LEARNING; *ELEMENTARY GRADES; ENVIRONMENTAL EDUCATION; FIELD TRIPS; GRADE 5; GRADE 6; INSTRUCTIONAL MATERIALS; INSTRUCTIONAL PROGRAM DIVISIONS; *LEARNING ACTIVITIES; NATURAL RESOURCES; *OUTDOOR EDUCATION; *TEACHING GUIDES

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$9.87

DESCRIPTIVE NOTE: 203P.

MORE THAN 50 OUTDOOR ACTIVITIES AND 60 FOLLOW-UP ACTIVITIES FOR CHILDREN IN GRADES FIVE AND SIX ARE COLLECTED IN THIS TEACHER'S GUIDE. THEY FOCUS ON THE INTERDEPENDENCE OF LIFE; THE RELATIONSHIP OF MAN, ANIMALS, AND PLANTS TO EACH OTHER AND TO THE ENVIRONMENT. MOST ARE DESIGNED AS FIELD TRIPS, UTILIZING A DISCOVERY AND QUESTIONING APPROACH TO LEARNING. BASED ON PILOT ACTIVITIES CONDUCTED AT THE SOUTHEASTERN PENNSYLVANIA OUTDOOR EDUCATION CENTER, THEY WERE SUBSEQUENTLY REVISED AND ADAPTED BY THE NEW CASTLE-GUNNING BEDFORD ENVIRONMENTAL LABORATORY, AN ESEA TITLE III PROJECT. A MASTER KEY DIVIDES THE MAJOR ACTIVITIES INTO CATEGORIES: (1) SEASONAL ACTIVITIES, (2) FLORA, (3) FAUNA, (4) HABITAT STUDIES, (5) WEATHER, GEOLOGY, SOILS, HYDROGRAPHY, AND (6) AWARENESS, MAN AND NATURE. FOR EACH ACTIVITY ALSO CHECKED ARE APPROPRIATE GRADE LEVEL(S), SEASON(S) IN WHICH TO CONDUCT IT, AND COORDINATED FOLLOW-UP ACTIVITY(IES). A SIMILAR KEY IS PROVIDED FOR FOLLOW-UP ACTIVITIES INDICATING THE MAJOR ACTIVITY WHICH IT IS ASSOCIATED WITH IN PLACE OF THE COORDINATED FOLLOW-UP ACTIVITY. EACH LESSON OUTLINES OBJECTIVES, PROCEDURES AND/OR ACTIVITIES ON THE TRIP, AND PERTINENT QUESTIONS. DIAGRAMS AND CHARTS SUPPLEMENT SOME OF THE INFORMATION. (BL)

ACCESSION NUMBER: ED073945

PUBLICATION DATE: 70

TITLE: A GUIDE TO OHIO OUTDOOR EDUCATION AREAS.

PERSONAL AUTHOR: MELVIN, RUTH W.

DESCRIPTOR: *DIRECTORIES; *ENVIRONMENTAL EDUCATION; GUIDES; INDEXES (LOCATERS); *NATURAL RESOURCES; NATURE CENTERS; *OUTDOOR EDUCATION; RURAL AREAS; SITE DEVELOPMENT; *STUDY FACILITIES

IDENTIFIER: OHIO

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$6.58

DESCRIPTIVE NOTE: 154P.

MORE THAN 700 AREAS IN OHIO, USEFUL AS SITES FOR ENVIRONMENTAL AND OUTDOOR STUDIES, ARE CATALOGUED IN THIS GUIDE. THEY INCLUDE NATIONAL FORESTS; STATE PARKS; FOREST AND WILDLIFE AREAS; HISTORIC SITES AND MEMORIALS; METROPOLITAN, COUNTRY, AND CITY PARKS; AGENCY AND PRIVATE CAMPS; CONSERVATION AGENCY PROPERTIES; CONSERVANCY DISTRICT LANDS AND RESERVOIRS; SCHOOL LAND LABORATORIES; PRIVATE CONSERVATION FARMS AND CAMPGROUNDS; AND NATURE PRESERVES. FOR A GENERAL OVERVIEW OF THE STATE, FOUR MAPS IN THE INTRODUCTION SHOW PHYSIOGRAPHIC SECTIONS, GEOLOGY, GLACIAL DEPOSITS, AND ORIGINAL NATURAL VEGETATION. THE MAJOR SECTION OF THE GUIDE COMPILES THE AREAS IN ALPHABETICAL ORDER BY COUNTIES. EACH ENTRY PROVIDES A SHORT DESCRIPTION OF THE BIO-PHYSICAL FEATURES OF THE AREA OR SITE TOGETHER WITH ITS OFFICIAL NAME, LOCATION, SIZE, AND SOURCE TO CONTACT FOR ADDITIONAL INFORMATION. A SEPARATE CHAPTER IS DEVOTED TO NATURE PRESERVES, "LIVING MUSEUM" TYPE AREAS, OFTEN OUTSTANDING REMNANTS OF WOODLANDS, SWAMPS, PRAIRIES, GLACIAL RELIC VEGATATION, AND/OR GEOLOGIC PHENOMENA. A CONCLUDING INDEX IDENTIFIES EACH AREA BY TYPE (NATURAL ENVIRONMENT, SCHOOL CAMPING, CONSERVATION EDUCATION, OR UNDEVELOPED) AND SPECIFIES THEIR FACILITIES FOR PUBLIC USE. NOTES ON HOW TO USE THE GUIDE ARE INCLUDED. (BL)

ACCESSION NUMBER: ED074022

PUBLICATION DATE: 71

TITLE: OUTING ACTIVITIES AND WINTER SPORTS GUIDE.

PERSONAL AUTHOR: KNIERIM, HELEN, ED.; HOBSON, BARBARA B., ED.

DESCRIPTOR: *ATHLETIC ACTIVITIES; *OUTDOOR EDUCATION; *PHYSICAL EDUCATION; *PHYSICAL RECREATION PROGRAMS; *RECREATIONAL ACTIVITIES

EDRS PRICE: EDRS PRICE MF-$0.65 HC NOT AVAILABLE FROM EDRS.

DESCRIPTIVE NOTE: 146P.

THIS GUIDE CONTAINS ARTICLES ON OUTDOOR RECREATIONAL ACTIVITIES AND OFFICIAL WINTER SPORTS RULES FOR GIRLS AND WOMEN. THE ARTICLES ON OUTDOOR ACTIVITIES INCLUDE THE TECHNIQUES, TEACHING, AND ORGANIZATION OF CAMPING, CANOEING, COMPETITIVE CYCLING, AND RIFLERY. FOUR PAGES OF REFERENCES ON NATURE AND OUTDOOR ACTIVITIES ARE PRESENTED ALONG WITH TWO PAGES OF VISUAL AIDS REFERENCES. THE ARTICLES ON WINTER SPORTS CONTAIN OFFICIAL RULES OF AND ORIENTATION TO SKIING AND ICE SKATING. REFERENCES AND VISUAL AIDS ARE ALSO LISTED FOR EACH SPORT. A SECTION IN THE GUIDE PRESENTS INFORMATION ABOUT THE DIVISION FOR GIRL'S AND WOMEN'S SPORTS AND THE SERVICES IT OFFERS TO TEACHERS. (BRB)

AVAILABILITY: AMERICAN ASSOCIATION FOR HEALTH, PHYSICAL EDUCATION, AND RECREATION, 1201 SIXTEENTH ST., N.W., WASHINGTON, D.C. 20036 ($1.50)

ACCESSION NUMBER: ED074038

PUBLICATION DATE: 71

TITLE: COOPERATIVE PROGRAMMING OF LEARNING EXPERIENCES THROUGH OUTDOOR-ENVIRONMENTAL EDUCATION.

DESCRIPTOR: EDUCATIONAL INNOVATION; *ENVIRONMENTAL EDUCATION; LEARNING ACTIVITIES; *LEARNING EXPERIENCE; *OUTDOOR EDUCATION; *STUDENT TEACHING; *TEACHER EDUCATION

IDENTIFIER: *DISTINGUISHED ACHIEVEMENT AWARD ENTRY

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$3.29

DESCRIPTIVE NOTE: 18P.

THE COLLEGE OF EDUCATION AT THE UNIVERSITY OF WISCONSIN-WHITEWATER AND THE MILWAUKEE PUBLIC SCHOOLS COLLABORATED ON A SERIES OF 2 1/2-DAY RESIDENT CAMP OUTDOOR EDUCATION PROGRAMS. THREE TO FIVE UNIVERSITY STUDENTS WERE ASSIGNED TO A CAMP PERIOD AND RECEIVED PRE-CAMP ORIENTATION BY THE PROGRAM DIRECTORS. THE STUDENTS TAUGHT, COUNSELED, AND SUPERVISED AS THE PROGRAM REQUIRED. POST-CAMP ACTIVITIES INCLUDED CLASS DISCUSSION REGARDING THE MERIT OF TEACHING METHODS OBSERVED AND UTILIZED, THE CHARACTERISTICS AND CAPABILITIES OF CHILDREN, EXPECTATIONS OF CULTURAL GROUPS, OUTCOMES OF LEARNING EXPERIENCES, AND CAMP ORGANIZATION AND ADMINISTRATION. (EVALUATION MATERIALS ARE INCLUDED.) (MJM)

ACCESSION NUMBER: ED073115

PUBLICATION DATE: JUN 72

TITLE: AN EVALUATION OF AN INTERDISCIPLINARY PROGRAM IN AN ELEMENTARY TEACHER-EDUCATION CURRICULUM.

PERSONAL AUTHOR: KALLA, JOSEPH ADAM

DESCRIPTOR: *ELEMENTARY GRADES; *EVALUATION; INNOVATION; *INTERDISCIPLINARY APPROACH; LEARNING EXPERIENCE; *OUTDOOR EDUCATION; STUDENT ATTITUDES; *TEACHER EDUCATION; TEACHING METHODS

IDENTIFIER: *CANADA

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$6.58

DESCRIPTIVE NOTE: 173P.; DOCTOR'S DISSERTATION SUBMITTED TO THE UNIVERSITY OF WYOMING, LARAMIE, WYOMING

THE EFFECTS OF AN EXPERIMENTAL, INTERDISCIPLINARY, OUTDOOR EDUCATION PROGRAM ON SELECTED STUDENTS ENROLLED IN A 2-YEAR ELEMENTARY TEACHER PREPARATION PROGRAM WERE MEASURED. THE SAMPLE CONSISTED OF 76 SECOND YEAR STUDENTS; 39 STUDENTS IN A NATURALLY ASSEMBLED CLASS WERE THE CONTROL GROUP, AND 37 IN ANOTHER CLASS WERE THE EXPERIMENTAL GROUP. THE MAIN TREATMENT EXPERIENCED BY THE EXPERIMENTAL GROUP WAS A 4-DAY, OFF-CAMPUS OUTDOOR EDUCATION EXPERIENCE. FOUR SCALES WERE USED TO MEASURE STUDENT PERCEPTIONS TOWARD THE STRUCTURE OF EDUCATIONAL EXPERIENCES, THE LEARNING ENVIRONMENT, STUDENT TO STUDENT RELATIONSHIPS, AND STUDENT AND TEACHER RELATIONSHIPS. A PRETEST AND 2 POSTTESTS WERE ADMINISTERED. IT WAS FOUND THAT THE PROGRAM CONTRIBUTED TO STATISTICALLY SIGNIFICANT AND FAVORABLE CHANGES IN STUDENTS' ATTITUDES ON 3 OF THE 4 SCALES RELATED TO CONDITIONS THAT EXISTED IN THE PROFESSIONAL EDUCATION CLASSES, THAT IT HAD NO STATISTICALLY SIGNIFICANT EFFECT ON ATTITUDES CONCERNED WITH STUDENT TO STUDENT RELATIONSHIPS, AND THAT IT MAY HAVE CAUSED A FAVORABLE CHANGE IN ATTITUDES TOWARD WHAT SHOULD BE A DESIRABLE CONDITION IN THE ELEMENTARY SCHOOL. RECOMMENDATIONS INCLUDED THAT THE INTERDISCIPLINARY PROGRAM SHOULD BE EXPANDED, THAT THE STUDY BE REPLICATED, AND THAT DIFFERENT TREATMENTS BE MEASURED. (PS)

ACCESSION NUMBER: ED075120

PUBLICATION DATE: 70

TITLE: A TEACHERS' GUIDE FOR THE OUTDOOR SCHOOL PROGRAM.

DESCRIPTOR: *ACTIVITY UNITS; EDUCATIONAL PLANNING; *ELEMENTARY SCHOOL STUDENTS; GRADE 5; GRADE 6; *INSTRUCTIONAL AIDS; *OUTDOOR EDUCATION; STAFF ROLE; *TEACHING GUIDES

IDENTIFIER: *MICHIGAN

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$9.87

DESCRIPTIVE NOTE: 243P.

THE GENERAL AIM OF THIS GUIDE IS TO AID THE TEACHERS OF THE FIFTH AND SIXTH GRADE BOYS AND GIRLS WHO PARTICIPATE IN THE OUTDOOR SCHOOL PROGRAM AT THE BATTLE CREEK OUTDOOR CENTER. ANOTHER MAJOR AIM OF THIS GUIDE IS TO AID THE OUTDOOR SCHOOL TEACHERS WHO BEAR THE MAJOR RESPONSIBILITY IN IMPLEMENTING THE OUTDOOR SCHOOL PROGRAM. AN HISTORICAL OVERVIEW OF THE CLEAR LAKE CAMP IN MICHIGAN, A DESCRIPTION OF THE OUTDOOR CENTER FACILITY, AN OVERVIEW OF THE OUTDOOR SCHOOL PROGRAM, STAFF RESPONSIBILITIES AT THE OUTDOOR SCHOOL, PLANNING INFORMATION FOR TEACHERS, INSTRUCTIONS ON HOW TO USE THE GUIDE, AND A SAMPLE WEEKLY SCHEDULE ARE GIVEN. ACTIVITIES FOR EDUCATION FOR THE OUT-OF-DOORS AND ACTIVITIES FOR EDUCATION IN THE OUT-OF-DOORS ARE DESCRIBED IN SEPARATE SECTIONS FOR FALL, WINTER, AND SPRING. A RATIONALE, THE RECOMMENDED GRADE LEVEL, BACKGROUND INFORMATION FOR TEACHERS, THE SEASONAL IMPLICATION, AND A DESCRIPTIVE OUTLINE ARE GIVEN FOR EACH ACTIVITY. SPECIFIC ACTIVITIES INCLUDE ARCHERY; GUN SAFETY; FISHING; BOATING; ARTS AND CRAFTS USING NATIVE MATERIALS; COOKING OUT; ORIENTEERING ON A COMPASS COURSE; VISITS TO A DAIRY FARM, A BEEF FARM, AND A SPHAGNUM BOG; A FOSSIL DIG; A ROCK HUNT; A DROP-OFF HIKE; AN EXPLORATION OF THE CEDAR CREEK WATERSHED, AND AN OBSERVATION OF POND LIFE. (HBC)

ACCESSION NUMBER: ED075138

PUBLICATION DATE: 72

TITLE: PHOTOGRAPHY IN OUTDOOR EDUCATION.

PERSONAL AUTHOR: O'CONNELL, CORNELIUS; AND OTHERS

DESCRIPTOR: ART ACTIVITIES; *LEARNING ACTIVITIES; MOTIVATION; *NATURAL SCIENCES; *OUTDOOR EDUCATION; *PHOTOGRAPHY; *SKILL DEVELOPMENT

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$3.29

DESCRIPTIVE NOTE: 5P.

THE USE OF PHOTOGRAPHY TO ADD A NEW DIMENSION TO OUTDOOR EDUCATION ACTIVITIES IS DESCRIBED IN THIS PAPER. IT IS NOTED THAT PHOTOGRAPHY CAN BE AN AID TO OUTDOOR EDUCATION IN A NUMBER OF WAYS: STUDENTS LEARN TO COMMUNICATE IDEAS VISUALLY, STUDENTS LEARN TO THINK THROUGH PROBLEMS AND FIND WAYS OF SOLVING THEM, STUDENTS GAIN INCREASED APPRECIATION OF PHOTOGRAPHIC ARTS, PHOTOGRAPHIC ACTIVITIES PROVIDE OPPORTUNITIES FOR STUDENTS TO WORK TOGETHER IN MEANINGFUL WAYS AND TO PRACTICE BASIC SKILLS, AND STUDENTS CAN PRODUCE MATERIALS FOR DISPLAY. SOME OF THE USES OF PHOTOGRAPHY IN LEARNING ACTIVITIES ARE TO BRING DISTANT OBJECTS CLOSER, TO RECORD INFORMATION FOR USE IN REPORTS, AND TO PROVIDE AN ART MEDIUM TO EXPRESS AN INDIVIDUAL'S FEELING ABOUT HIS NATURAL SURROUNDINGS. ALSO INCLUDED IN THIS PAPER ARE DESCRIPTIONS OF 10 ACTIVITIES INVOLVING PHOTOGRAPHY WHICH CAN BE USED IN AN OUTDOOR EDUCATION PROGRAM. (PS)

ACCESSION NUMBER: ED075139

PUBLICATION DATE: 71

TITLE: BASIC STEPS IN PLANNING OUTDOOR EDUCATION DAY-CAMPING PROGRAMS. A DEFINITIVE STATEMENT TO ASSIST TEACHERS INVOLVED IN DAY-CAMPING PROGRAMS.

DESCRIPTOR: *ADMINISTRATION; CURRICULUM PLANNING; *DAY CAMP PROGRAMS; DISCIPLINE POLICY; *ENVIRONMENTAL EDUCATION; *OUTDOOR EDUCATION; PROGRAM GUIDES; SCHOOL ORIENTATION; SCHOOL SCHEDULES; *TEACHING GUIDES

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$3.29

DESCRIPTIVE NOTE: 10P.

BASIC STEPS IN PLANNING OUTDOOR EDUCATION DAY CAMPING PROGRAMS ARE OUTLINED TO ASSIST AND TO SERVE AS A PLANNING GUIDE FOR TEACHERS. DAY CAMPING PROGRAMS ARE DEFINED AS USUALLY CONSISTING OF AN OUTDOOR GRADE LEVEL ENVIRONMENTAL ACTIVITY WHICH PROVIDES ALL STUDENTS WITHIN A PARTICULAR GRADE THE OPPORTUNITY TO BE EXPOSED TO OUTDOOR ENVIRONMENTAL LEARNING EXPERIENCES. THE PROGRAM PLANNING IS DISCUSSED IN TERMS OF (1) THE ORGANIZATIONAL PROCESS: DETERMINING THE CURRICULUM CONTENT FOR THE DAY CAMPING PROGRAM, INCORPORATING A MULTI-DISCIPLINARY APPROACH TO PROGRAM PLANNING, AND IMPLEMENTING THE INSTRUCTIONAL PROGRAM AND SCHEDULE WITHIN A STRUCTURED TIME PERIOD; (2) THE ORIENTATION PROGRAMS; AND (3) THE SCHOOL POLICY. IN THE CONCLUDING COMMENTS IT IS STATED THAT THE DAY CAMPING EXPERIENCES PROVIDE THE STUDENT WITH A GREATER APPRECIATION AND UNDERSTANDING OF THE LOCAL ENVIRONMENTAL PROBLEMS THAT ARE IN EXISTENCE CLOSER TO HOME. AN 11-ITEM BIBLIOGRAPHY IS PROVIDED. (FF)

ACCESSION NUMBER: ED075140

PUBLICATION DATE: APR 68

TITLE: A PARENTS GUIDE TO OUTDOOR EDUCATION (A PROJECT STUDY-SCHOOL DAY CAMPING PROGRAM FOR SIXTH GRADE BOYS AND GIRLS).

DESCRIPTOR: *EDUCATIONAL PHILOSOPHY; ENVIRONMENTAL EDUCATION; GRADE 6; *GUIDES; OBJECTIVES; *OUTDOOR EDUCATION; *PARENTS; PARENT SCHOOL RELATIONSHIP; PUBLIC POLICY; *TEACHER ROLE

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$3.29

DESCRIPTIVE NOTE: 9P.

INTENDED AS A GUIDE TO OUTDOOR EDUCATION FOR PARENTS OF 6TH GRADE BOYS AND GIRLS, THIS DOCUMENT EXPLAINS THE PURPOSE OF OUTDOOR EDUCATION, WHICH IS TO EXTEND THE CLASSROOM TO THE OUTDOORS. IT IS EXPLAINED THAT MANY LEARNING CONCEPTS CAN BE TAUGHT AND UNDERSTOOD WITH GREATER EFFICIENCY IN THE OUT-OF-DOORS AND THAT THE ACTIVITIES ARE RELATED TO THE REGULAR CLASSROOM PROGRAM IN EVERY WAY POSSIBLE. SOME OF THE 8 BASIC OBJECTIVES ARE (1) TO DEVELOP AN APPRECIATION OF THE OUTDOORS; (2) TO MAKE CLASSROOM LEARNING MORE MEANINGFUL; (3) TO DEVELOP A SENSE OF RESPONSIBILITY; AND (4) TO LEARN TO LIVE IN THE OUTDOORS, IN OTHER WORDS, TO DEVELOP SKILLS IN CAMP CRAFTS AND COOKING. THE DOCUMENT CONTENTS EXPLAIN TO THE PARENT THE PHILOSOPHY OF CAMPING, WHAT OUTDOOR EDUCATION IS, AND HOW IT CAN CONTRIBUTE TO A CHILD'S DEVELOPMENT. A MAJOR PREMISE OF OUTDOOR EDUCATION, THE BASIC PRINCIPLES OF THE OUTDOOR EDUCATION PROGRAM, 13 AIMS AND OBJECTIVES OF WHAT CAMP CAN DO, AND THE ROLE OF THE CLASSROOM TEACHER ARE PRESENTED. A CAMPING VOCABULARY OF APPROXIMATELY 73 WORDS IS PROVIDED. (FF)

56

ACCESSION NUMBER: ED075141

PUBLICATION DATE: 72

TITLE: A HANDBOOK FOR OUTDOOR EDUCATION ON THE PRESERVES OF THE NATURAL HISTORY SECTION, NASSAU COUNTY MUSEUM.

DESCRIPTOR: *ACTIVITY UNITS; CREATIVE WRITING; ENTOMOLOGY; GEOGRAPHY INSTRUCTION; LAND SETTLEMENT; NATURAL RESOURCES; *OUTDOOR EDUCATION; PLANT IDENTIFICATION; *PROGRAM GUIDES; *STUDENT CENTERED CURRICULUM; *TEACHING GUIDES; VISUAL LITERACY

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$3.29

DESCRIPTIVE NOTE: 30P.

ONE OF THE DESIRED OUTCOMES OF OUTDOOR EDUCATION, ACCORDING TO THIS HANDBOOK FOR TEACHERS, IS THE DEVELOPMENT OF RESPECT AND APPRECIATION FOR THE NATURAL ENVIRONMENT AND THE NEED TO CONSERVE IT. IT IS SUGGESTED THAT SINCE THE PURPOSE OF GOING INTO THE FIELD RATHER THAN INTO THE LABORATORY IS TO STUDY REAL THINGS IN THEIR NATURAL ENVIRONMENT, EVERY EFFORT SHOULD BE MADE TO STUDY LIVING SPECIMENS IN THE FIELD AND RETURN THEM UNHARMED TO THE PLACE WHERE THEY WERE FOUND. THE SAME HOLDS TRUE FOR NONLIVING SPECIMENS OF SCARCE NATURAL RESOURCES. THE HANDBOOK OUTLINES 3 STAGES OF PREPARATION FOR AN OUTDOOR EDUCATION PROGRAM: A PRELIMINARY PLANNING SESSION, THE ACTUAL PLANNING OF THE PROGRAM, AND A PROGRAM ORIENTATION SESSION. ALSO, THE PURPOSE, MAJOR CONCEPTS AND UNDERSTANDINGS, AND A DESCRIPTION OF EACH SAMPLE ACTIVITY ARE GIVEN. THE ACTIVITIES INCLUDE FIELD SUCCESSION, POND STUDY, SOIL ECOLOGY, TREE IDENTIFICATION, FOREST ECOLOGY, INSECT STUDIES, MAPPING AND SURVEYING, HOMESTEADING NEW LAND, ART IN NATURE, NATURE POETRY, SONGS OF PRIMITIVE PEOPLE, AND CREATIVE WRITING. ADDITIONALLY, INSTRUCTIONS ON HOW TO PREPARE AN OUTDOOR EDUCATION PROGRAM, A SAMPLE PROGRAM, RESOURCES AND REFERENCES, A FIELD SPECIMEN REPORT, A CHECKLIST OF TREE LEAF CHARACTERISTICS, WINTER ACTIVITIES, AND CONSERVATION PROJECTS ARE INCLUDED. ALSO PROVIDED IS A LIST OF RESOURCES AND REFERENCES. (HBC)

ACCESSION NUMBER: ED075167

PUBLICATION DATE: 70

TITLE: OUTDOOR VERSUS INDOOR LEARNING IN ELEMENTARY SCHOOL SCIENCE.

PERSONAL AUTHOR: WISE, RONALD CLARENCE

DESCRIPTOR: *ACHIEVEMENT GAINS; CLASSROOM DESIGN; *COMPARATIVE ANALYSIS; COMPREHENSION; DOCTORAL THESES; *ELEMENTARY SCHOOL SCIENCE; *INSTRUCTION; KNOWLEDGE LEVEL; OUTDOOR EDUCATION; RESEARCH; *TEACHING METHODS

EDRS PRICE: DOCUMENT NOT AVAILABLE FROM EDRS.

DESCRIPTIVE NOTE: 154P.; ED.D. DISSERTATION, PENNSYLVANIA STATE UNIVERSITY

THE PURPOSE OF THIS STUDY WAS TO ASSESS AND COMPARE ACHIEVEMENT OF STUDENTS WHO WERE TAUGHT SCIENCE BY THREE DIFFERENT APPROACHES: DIRECT EXPERIENCE (T-1), OUTDOOR CLASSROOM (T-2), AND INDOOR CLASSROOM (T-3). IN ADDITION, THE NUMBER OF STUDENTS MAKING OBSERVATIONS OF THE OUTDOOR ENVIRONMENT FOR EACH TREATMENT GROUP WAS ANALYZED. THE SPECIFIC PROBLEMS INVESTIGATED WERE AS FOLLOWS: (1) DO STUDENTS ACQUIRE MORE SCIENCE KNOWLEDGE, MORE COMPREHENSION, AND GREATER RETENTION WHEN TAUGHT BY THE DIRECT EXPERIENCE APPROACH THAN WHEN TAUGHT BY THE OUTDOOR OR INDOOR CLASSROOM APPROACHES? (2) DO MORE STUDENTS MAKE OBSERVATIONS OF THE OUTDOOR ENVIRONMENT WHEN TAUGHT BY THE DIRECT EXPERIENCE APPROACH THAN WHEN TAUGHT BY THE OTHER TWO APPROACHES? FOLLOWING TESTING AND ANALYSIS OF DATA, IT WAS CONCLUDED THAT GAINS WERE NOT SIGNIFICANT AMONG THE THREE TREATMENTS. (AUTHOR/BL)

AVAILABILITY: UNIVERSITY MICROFILMS, 300 NORTH ZEEB ROAD, ANN ARBOR, MICHIGAN 48106 (ORDER NO. 71-16,686 MF-$4.00 XEROGRAPHY-$10.00)

ACCESSION NUMBER: ED075217

PUBLICATION DATE: 70

TITLE: ACTIVITIES FOR STUDYING STREAMS, GRADE LEVEL 5-6. ENVIRONMENTAL EDUCATION SERIES, BULLETIN NO. 247-A.

DESCRIPTOR: CURRICULUM DEVELOPMENT; *ELEMENTARY GRADES; *ENVIRONMENTAL EDUCATION; INSTRUCTIONAL MATERIALS; *LEARNING ACTIVITIES; NATURAL RESOURCES; OUTDOOR EDUCATION; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS); *WATER RESOURCES

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$3.29

DESCRIPTIVE NOTE: 13P.

THIS BULLETIN IS ONE IN A SERIES OF ENVIRONMENTAL EDUCATION ACTIVITY GUIDES FOR GRADES K-12, DEVELOPED AND FIELD-TESTED BY TEACHERS IN THE MONTGOMERY COUNTY (MARYLAND) PUBLIC SCHOOLS. PRIMARILY FOR USE IN THE MIDDLE GRADES FOUR THROUGH SIX, THE GUIDES ARE NOT INTENDED TO CONSTITUTE COMPLETE UNITS IN THEMSELVES. THEY ARE, RATHER, A COMPILATION OF ACTIVITIES CONSIDERED APPROPRIATE FOR PARTICULAR ENVIRONMENTAL STUDIES. IN THIS GUIDE ABOUT STREAMS, FOR GRADES FIVE AND SIX, ARE ACTIVITIES ENTITLED: MEASURING RATE OF STREAM FLOW, MEASURING STREAM WIDTH, MEASURING STREAM DEPTH, MEASURING STREAM VOLUME, CALCULATING THE CAPACITY OF A STREAM TO SUPPORT HUMAN LIFE, MEASURING STREAM TEMPERATURE, MEASURING THE PH, CONSTRUCTING COLLECTION NETS, COLLECTING SPECIMENS, AND IDENTIFYING SPECIMENS. EACH ACTIVITY INDICATES THE INSTRUCTIONAL OBJECTIVE, PROCEDURES TO FOLLOW, AND MATERIALS REQUIRED. TEACHER NOTES ARE ADDED WHEN NECESSARY. A STUDENT EVALUATION SHEET CONCLUDES THE BULLETIN. RELATED DOCUMENTS IN THE SERIES ARE SE 015 886 THROUGH SE 015 893. (BL)

ACCESSION NUMBER: ED075218

PUBLICATION DATE: 70

TITLE: ACTIVITIES FOR STUDYING WILDLIFE, GRADE LEVEL 4-6. ENVIRONMENTAL EDUCATION SERIES, BULLETIN NO. 247-B.

DESCRIPTOR: CURRICULUM DEVELOPMENT; *ELEMENTARY GRADES; *ENVIRONMENTAL EDUCATION; INSTRUCTIONAL MATERIALS; *LEARNING ACTIVITIES; NATURAL RESOURCES; OUTDOOR EDUCATION; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS); *WILDLIFE MANAGEMENT

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$3.29

DESCRIPTIVE NOTE: 12P.

THIS BULLETIN IS ONE IN A SERIES OF ENVIRONMENTAL EDUCATION ACTIVITY GUIDES FOR GRADES K-12, DEVELOPED AND FIELD-TESTED BY TEACHERS IN THE MONTGOMERY COUNTY (MARYLAND) PUBLIC SCHOOLS. PRIMARILY FOR USE IN THE MIDDLE GRADES FOUR THROUGH SIX, THE GUIDES ARE NOT INTENDED TO CONSTITUTE COMPLETE UNITS IN THEMSELVES. THEY ARE, RATHER, A COMPILATION OF ACTIVITIES CONSIDERED APPROPRIATE FOR PARTICULAR ENVIRONMENTAL STUDIES. IN THIS GUIDE ABOUT WILDLIFE, FOR GRADES FOUR THROUGH SIX, ARE ACTIVITIES ENTITLED: STALKING, FINDING SIGNS OF WILDLIFE, MAKING CASTS, IDENTIFYING SMALL ANIMAL TRACKS, IDENTIFYING ANIMALS FROM SIGNS, CONSTRUCTING AN ANIMAL TRAP, AND IDENTIFYING ANIMALS FROM TRACKS. EACH ACTIVITY INDICATES THE INSTRUCTIONAL OBJECTIVE, PROCEDURES TO FOLLOW, AND MATERIALS REQUIRED. TEACHER NOTES ARE ADDED WHEN NECESSARY. A STUDENT EVALUATION SHEET CONCLUDES THE BULLETIN. RELATED DOCUMENTS IN THE SERIES ARE SE 015 885 AND SE 015 887 THROUGH SE 015 893. (BL)

ACCESSION NUMBER: ED075219

PUBLICATION DATE: 70

TITLE: ACTIVITIES FOR STUDYING WEATHER, GRADE LEVEL 4-6. ENVIRONMENTAL EDUCATION SERIES, BULLETIN NO. 247-C.

DESCRIPTOR: CURRICULUM DEVELOPMENT; *ELEMENTARY GRADES; *ENVIRONMENTAL EDUCATION; INSTRUCTIONAL MATERIALS; *LEARNING ACTIVITIES; *METEOROLOGY; NATURAL RESOURCES; OUTDOOR EDUCATION; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS)

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$3.29

DESCRIPTIVE NOTE: 14P.

THIS BULLETIN IS ONE IN A SERIES OF ENVIRONMENTAL EDUCATION ACTIVITY GUIDES FOR GRADES K-12, DEVELOPED AND FIELD-TESTED BY TEACHERS IN THE MONTGOMERY COUNTY (MARYLAND) PUBLIC SCHOOLS. PRIMARILY FOR USE IN THE MIDDLE GRADES FOUR THROUGH SIX, THE GUIDES ARE NOT INTENDED TO CONSTITUTE COMPLETE UNITS IN THEMSELVES. THEY ARE, RATHER, A COMPILATION OF ACTIVITIES CONSIDERED APPROPRIATE FOR PARTICULAR ENVIRONMENTAL STUDIES. IN THIS GUIDE ABOUT THE WEATHER, FOR GRADES FOUR THROUGH SIX, ARE ACTIVITIES ENTITLED: OBSERVING WEATHER, UNDERSTANDING HUMIDITY, MEASURING HUMIDITY, RELATING HUMIDITY TO OTHER ELEMENTS OF WEATHER, CONSTRUCTING A BAROMETER, USING A BAROMETER TO MEASURE AIR PRESSURE, CONSTRUCTING A WEATHER VANE, USING A WEATHER VANE TO FIND WIND DIRECTION, AND WEATHER PREDICTING. INDICATED FOR EACH ACTIVITY ARE THE INSTRUCTIONAL OBJECTIVE, PROCEDURES TO FOLLOW, AND MATERIALS REQUIRED. TEACHER NOTES ARE ADDED WHEN NECESSARY. A STUDENT EVALUATION SHEET CONCLUDES THE BULLETIN. RELATED DOCUMENTS IN THE SERIES ARE SE 015 885 THROUGH SE 015 886 AND SE 015 888 THROUGH SE 015 893. (BL)

ACCESSION NUMBER: ED075220

PUBLICATION DATE: 70

TITLE: ACTIVITIES FOR STUDYING PONDS (LIMNOLOGY), GRADE LEVEL 5-6. ENVIRONMENTAL EDUCATION SERIES, BULLETIN NO. 247-D.

DESCRIPTOR: CURRICULUM DEVELOPMENT; *ELEMENTARY GRADES; *ENVIRONMENTAL EDUCATION; INSTRUCTIONAL MATERIALS; *LEARNING ACTIVITIES; NATURAL RESOURCES; OUTDOOR EDUCATION; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS); *WATER RESOURCES

IDENTIFIER: LIMNOLOGY

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$3.29

DESCRIPTIVE NOTE: 19P.

THIS BULLETIN IS ONE IN A SERIES OF ENVIRONMENTAL EDUCATION ACTIVITY GUIDES FOR GRADES K-12, DEVELOPED AND FIELD-TESTED BY TEACHERS IN THE MONTGOMERY COUNTY (MARYLAND) PUBLIC SCHOOLS. PRIMARILY FOR USE IN THE MIDDLE GRADES FOUR THROUGH SIX, THE GUIDES ARE NOT INTENDED TO CONSTITUTE COMPLETE UNITS IN THEMSELVES. THEY ARE, RATHER, A COMPILATION OF ACTIVITIES CONSIDERED APPROPRIATE FOR PARTICULAR ENVIRONMENTAL STUDIES. IN THIS GUIDE ABOUT PONDS, FOR GRADES FIVE AND SIX, ACTIVITIES ARE ENTITLED: IDENTIFYING ANIMAL LIFE, IDENTIFYING PLANT LIFE, USING A PLANKTON TOW, MEASURING PH, MEASURING POND DEPTH, MEASURING POND TEMPERATURES, OBSERVING SUSPENDED PARTICLES, MEASURING TURBIDITY, BOTTOM SAMPLING, OBSERVING CURRENTS, AND MEASURING THE INFLOW AND OUTFLOW OF A POND. EACH ACTIVITY INCLUDES THE INSTRUCTIONAL OBJECTIVE, PROCEDURES TO FOLLOW, AND MATERIALS REQUIRED. TEACHER NOTES ARE ADDED WHEN NECESSARY. A STUDENT EVALUATION SHEET CONCLUDES THE BULLETIN. RELATED DOCUMENTS IN THE SERIES ARE SE 015 885 THROUGH SE 015 887 AND SE 015 889 THROUGH SE 015 893. (BL)

ACCESSION NUMBER: ED075221

PUBLICATION DATE: 70

TITLE: ACTIVITIES FOR STUDYING ROCKS AND SOIL, GRADE LEVEL 4-6. ENVIRONMENTAL EDUCATION SERIES, BULLETIN NO. 247-E.

DESCRIPTOR: CURRICULUM DEVELOPMENT; *ELEMENTARY GRADES; *ENVIRONMENTAL EDUCATION; *GEOLOGY; INSTRUCTIONAL MATERIALS; *LEARNING ACTIVITIES; NATURAL RESOURCES; OUTDOOR EDUCATION; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS)

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$3.29

DESCRIPTIVE NOTE: 16P.

THIS BULLETIN IS ONE IN A SERIES OF ENVIRONMENTAL EDUCATION ACTIVITY GUIDES FOR GRADES K-12, DEVELOPED AND FIELD-TESTED BY TEACHERS IN THE MONTGOMERY COUNTY (MARYLAND) PUBLIC SCHOOLS. PRIMARILY FOR USE IN THE MIDDLE GRADES FOUR THROUGH SIX, THE GUIDES ARE NOT INTENDED TO CONSTITUTE COMPLETE UNITS IN THEMSELVES. THEY ARE, RATHER, A COMPILATION OF ACTIVITIES CONSIDERED APPROPRIATE FOR PARTICULAR ENVIRONMENTAL STUDIES. IN THIS GUIDE ABOUT ROCKS AND THE SOIL, FOR GRADES FOUR THROUGH SIX, ACTIVITIES ARE ENTITLED: COLLECTING ROCK SAMPLES FOR OBSERVATION AND CLASSIFICATION, TESTING ROCKS FOR HARDNESS, CLASSIFYING ROCKS, OBSERVING THE WEATHERING ACTION OF WATER ON ROCKS, BREAKING DOWN ROCKS BY FREEZING, DEMONSTRATING THE EFFECT OF RAINFALL ON SOIL, AND OBSERVING THE EFFECT OF MOVING WATER ON THE EARTH'S SURFACE. EACH ACTIVITY INCLUDES THE INSTRUCTIONAL OBJECTIVE, PROCEDURES TO FOLLOW, AND MATERIALS REQUIRED. TEACHER NOTES ARE ADDED WHEN NECESSARY. A STUDENT EVALUATION SHEET CONCLUDES THE BULLETIN. RELATED DOCUMENTS IN THE SERIES ARE SE 015 885 THROUGH SE 015 888 AND SE 015 890 THROUGH SE 015 893. (BL)

ACCESSION NUMBER: ED075222

PUBLICATION DATE: 70

TITLE: ACTIVITIES FOR STUDYING SEASONAL CHANGE, GRADE LEVEL K-1. ENVIRONMENTAL EDUCATION SERIES, BULLETIN NO. 247-F.

DESCRIPTOR: CURRICULUM DEVELOPMENT; *ECOLOGICAL FACTORS; *ENVIRONMENTAL EDUCATION; INSTRUCTIONAL MATERIALS; *LEARNING ACTIVITIES; NATURAL RESOURCES; OUTDOOR EDUCATION; *PRIMARY GRADES; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS)

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$3.29

DESCRIPTIVE NOTE: 11P.

THIS BULLETIN IS ONE IN A SERIES OF ENVIRONMENTAL EDUCATION ACTIVITY GUIDES FOR GRADES K-12, DEVELOPED AND FIELD-TESTED BY TEACHERS IN THE MONTGOMERY COUNTY(MARYLAND) PUBLIC SCHOOLS. PRIMARILY FOR USE IN THE MIDDLE GRADES FOUR THROUGH SIX, THE GUIDES ARE NOT INTENDED TO CONSTITUTE COMPLETE UNITS IN THEMSELVES. THEY ARE, RATHER, A COMPILATION OF ACTIVITIES CONSIDERED APPROPRIATE FOR PARTICULAR ENVIRONMENTAL STUDIES. IN THIS GUIDE ABOUT SEASONAL CHANGES, FOR GRADES K-1, ARE ACTIVITIES ENTITLED: OBSERVING AND RECORDING SEASONAL CHANGES IN NATURE; DESCRIBING THE LIFE CYCLE OF AN ANIMAL, INSECT, OR PLANT; OBSERVING WAYS IN WHICH SEEDS ARE SCATTERED; MEASURING TEMPERATURE AND FINDING LIFE UNDERGROUND; AND LISTING WAYS IN WHICH MAN ADAPTS TO SEASONAL CHANGE. EACH ACTIVITY INDICATES THE INSTRUCTIONAL OBJECTIVE, PROCEDURES TO FOLLOW, AND MATERIALS REQUIRED. TEACHER NOTES ARE ADDED WHEN NECESSARY. A STUDENT EVALUATION SHEET CONCLUDES THE BULLETIN. RELATED DOCUMENTS IN THE SERIES ARE SE 015 885 THROUGH SE 015 889 AND SE 015 891 THROUGH SE 015 893. (BL)

ACCESSION NUMBER: ED075223

PUBLICATION DATE: 70

TITLE: ACTIVITIES FOR STUDYING MEGALOPOLIS, GRADE LEVEL 4-8. ENVIRONMENTAL EDUCATION SERIES, BULLETIN NO. 247-H.

DESCRIPTOR: CURRICULUM DEVELOPMENT; *ELEMENTARY GRADES; *ENVIRONMENTAL EDUCATION; INSTRUCTIONAL MATERIALS; *LEARNING ACTIVITIES; *METROPOLITAN AREAS; NATURAL RESOURCES; OUTDOOR EDUCATION; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS)

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$3.29

DESCRIPTIVE NOTE: 34P.

THIS BULLETIN IS ONE IN A SERIES OF ENVIRONMENTAL EDUCATION ACTIVITY GUIDES FOR GRADES K-12, DEVELOPED AND FIELD-TESTED BY TEACHERS IN THE MONTGOMERY COUNTY (MARYLAND) PUBLIC SCHOOLS. PRIMARILY FOR USE IN THE MIDDLE GRADES FOUR THROUGH SIX, THE GUIDES ARE NOT INTENDED TO CONSTITUTE COMPLETE UNITS IN THEMSELVES. THEY ARE, RATHER, A COMPILATION OF ACTIVITIES CONSIDERED APPROPRIATE FOR PARTICULAR ENVIRONMENTAL STUDIES. IN THIS GUIDE ABOUT THE MEGALOPOLIS, FOR GRADES FOUR THROUGH EIGHT, THE 31 ACTIVITIES ARE DIVIDED INTO THREE CATEGORIES: ANALYSIS OF RESIDENTIAL COMMUNITIES, IDENTIFYING CHARACTERISTICS OF COMMERCIAL/INDUSTRIAL AREAS, AND IDENTIFYING PATTERNS OF CITY GROWTH AND LAND USE. EACH ACTIVITY INCLUDES THE INSTRUCTIONAL OBJECTIVE, PROCEDURES TO FOLLOW, AND MATERIALS REQUIRED. A STUDENT EVALUATION SHEET FOLLOWS EACH CATEGORY AND THE BULLETIN CONCLUDES WITH A LIST OF SUGGESTED DISCUSSION QUESTIONS. RELATED DOCUMENTS IN THE SERIES ARE SE 015 885 THROUGH SE 015 890 AND SE 015 892 THROUGH SE 015 893. (BL)

ACCESSION NUMBER: ED075224

PUBLICATION DATE: 70

TITLE: ACTIVITIES FOR MAP AND COMPASS STUDY, GRADE LEVEL 4-6. ENVIRONMENTAL EDUCATION SERIES, BULLETIN NO. 247-I.

DESCRIPTOR: CURRICULUM DEVELOPMENT; *ELEMENTARY GRADES; *ENVIRONMENTAL EDUCATION; INSTRUCTIONAL MATERIALS; *LEARNING ACTIVITIES; *MAP SKILLS; NATURAL RESOURCES; OUTDOOR EDUCATION; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS)

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$3.29

DESCRIPTIVE NOTE: 16P.

THIS BULLETIN IS ONE IN A SERIES OF ENVIRONMENTAL EDUCATION ACTIVITY GUIDES FOR GRADES K-12, DEVELOPED AND FIELD-TESTED BY TEACHERS IN THE MONTGOMERY COUNTY (MARYLAND) PUBLIC SCHOOLS. PRIMARILY FOR USE IN THE MIDDLE GRADES FOUR THROUGH SIX, THE GUIDES ARE NOT INTENDED TO CONSTITUTE COMPLETE UNITS IN THEMSELVES. THEY ARE, RATHER, A COMPILATION OF ACTIVITIES CONSIDERED APPROPRIATE FOR PARTICULAR ENVIRONMENTAL STUDIES. IN THIS GUIDE ABOUT MAPS AND COMPASSES, FOR GRADES FOUR THROUGH SIX, ARE ACTIVITIES ENTITLED: ESTIMATING PACE, LOCATING NORTH, COMPASS EXERCISES, LANDMARKS (AZIMUTH), SHOOTING A BACK AZIMUTH, CALCULATING MAGNETIC DECLINATION, COMPENSATING FOR MAGNETIC DECLINATION, FOLLOWING A COURSE, SKETCHING A MAP, ESTIMATING HEIGHTS, DRAWING A TOPOGRAPHIC MAP, AND MAPPING. EACH ACTIVITY INDICATES THE INSTRUCTIONAL OBJECTIVE, PROCEDURES TO FOLLOW, AND MATERIALS REQUIRED. TEACHER NOTES ARE ADDED WHEN NECESSARY. A STUDENT EVALUATION SHEET CONCLUDES THE BULLETIN. RELATED DOCUMENTS IN THE SERIES ARE SE 015 885 THROUGH SE 015 891 AND SE 015 893. (BL)

66

ACCESSION NUMBER: ED075225

PUBLICATION DATE: 70

TITLE: OUTDOOR ART ACTIVITIES, GRADE LEVEL K-12. ENVIRONMENTAL EDUCATION SERIES, BULLETIN NO. 247-K.

DESCRIPTOR: *CREATIVE ART; CURRICULUM DEVELOPMENT; ELEMENTARY GRADES; *ENVIRONMENTAL EDUCATION; INSTRUCTIONAL MATERIALS; *LEARNING ACTIVITIES; NATURAL RESOURCES; OUTDOOR EDUCATION; SECONDARY GRADES; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS)

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$3.29

DESCRIPTIVE NOTE: 35P.

THIS BULLETIN IS ONE IN A SERIES OF ENVIRONMENTAL EDUCATION ACTIVITY GUIDES FOR GRADES K-12, DEVELOPED AND FIELD-TESTED BY TEACHERS IN THE MONTGOMERY COUNTY (MARYLAND) PUBLIC SCHOOLS. PRIMARILY FOR USE IN THE MIDDLE GRADES FOUR THROUGH SIX, THE GUIDES ARE NOT INTENDED TO CONSTITUTE COMPLETE UNITS IN THEMSELVES. THEY ARE, RATHER, A COMPILATION OF ACTIVITIES CONSIDERED APPROPRIATE FOR PARTICULAR ENVIRONMENTAL STUDIES. IN THIS GUIDE ABOUT THE ARTS, FOR GRADES K-12, THE 22 ACTIVITES ARE DIVIDED INTO FIVE CATEGORIES: PAINTING AND DRAWING, GRAPHIC ARTS, SCULPTURE, CERAMICS, AND CRAFTS. EACH ACTIVITY INDICATES THE INSTRUCTIONAL OBJECTIVE, PROCEDURES TO FOLLOW, AND MATERIALS REQUIRED. TEACHER NOTES ARE ADDED WHEN NECESSARY. A STUDENT EVALUATION SHEET CONCLUDES THE BULLETIN. RELATED DOCUMENTS IN THE SERIES ARE SE 015 885 THROUGH SE 015 892. (BL)

ACCESSION NUMBER: ED075263

PUBLICATION DATE: JAN 73

TITLE: A GUIDE TO ENVIRONMENTAL STUDY AREAS OF THE SNAKE RIVER REGION. FINAL REPORT.

PERSONAL AUTHOR: PARSONS, DONNA

DESCRIPTOR: *ENVIRONMENTAL EDUCATION; *EVALUATION; NATURAL RESOURCES; OUTDOOR EDUCATION; *PROJECTS; *REPORTS; *RESOURCE GUIDES

IDENTIFIER: IDAHO

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$3.29

DESCRIPTIVE NOTE: 16P.

IN 1968, A PROJECT SPONSORED BY THE CALDWELL, IDAHO SCHOOL DISTRICT 132 AND FUNDED UNDER AN ESEA TITLE III GRANT, RESULTED IN A 224-PAGE SOURCEBOOK FOR TEACHERS, "IDAHO, AN OUTDOOR CLASSROOM" (ED 046 963). A CURRENT PROJECT, SUMMARIZED IN THIS FINAL REPORT, HAS ATTEMPTED (1) TO EVALUATE "IDAHO, AN OUTDOOR CLASSROOM" AND FIND OUT IF AND HOW IT HAS BEEN USED, AND (2) TO REVISE AND EXPAND THE SOURCEBOOK TO MAKE IT MORE USEFUL. THE REPORT DESCRIBES HOW THE EVALUATION WAS COMPLETED--THROUGH QUESTIONNAIRES, PERSONAL VISITS, AND TELEPHONE CALLS. STATISTICS RELATIVE TO THE QUESTIONNAIRE ARE TABULATED AND EXPLAINED. REVISION AND EXPANSION OF THE SOURCEBOOK WERE COMPLETED WITH THE ASSISTANCE OF MANY RESOURCE PEOPLE THROUGHOUT THE STATE. CORRECTIONS, ELIMINATIONS, AND REVISIONS OF MATERIAL FROM THE ORIGINAL BOOK WERE MADE AND COVERAGE WAS EXTENDED TO THE ENTIRE SNAKE RIVER BASIN, INCLUDING WESTERN WYOMING, NORTHERN NEVADA, EASTERN OREGON, AND SOUTHEASTERN WASHINGTON. ADDITIONAL ITEMS IN THE REPORT INCLUDE COMMENTS FROM THE EVALUATORS (TEACHERS) AND A COPY OF THE EVALUATION FORM. (BL)

68

ACCESSION NUMBER: ED076276

PUBLICATION DATE: SEP 71

TITLE: LEADERS IN OUTDOOR EDUCATION, 1971.

PERSONAL AUTHOR: JONES, ORVILLE E., ED.; WADE, DOUGLAS E., ED.

DESCRIPTOR: *ADULT LEADERS; BIOGRAPHIES; *CONSERVATION EDUCATION; DIRECTORIES; *ENVIRONMENTAL EDUCATION; *OUTDOOR EDUCATION; *PROFESSIONAL PERSONNEL

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$3.29

DESCRIPTIVE NOTE: 57P.

AN ALPHABETICAL LIST OF LEADERS IN OUTDOOR EDUCATION IS PRESENTED IN THIS DIRECTORY. BIOGRAPHICAL INFORMATION IS PRESENTED FOR 449 LEADERS. (PS)

AVAILABILITY: NORTHERN ILLINOIS UNIVERSITY, DEPARTMENT OF OUTDOOR TEACHER EDUCATION, LORADO TAFT FIELD CAMPUS, OREGON, ILLINOIS 61061 ($2.00)

ACCESSION NUMBER: ED076395

PUBLICATION DATE: 72

TITLE: THE WORLD AROUND YOU. ENVIRONMENTAL EDUCATION PACKET.

DESCRIPTOR: *ELEMENTARY GRADES; *ENVIRONMENTAL EDUCATION; *INSTRUCTIONAL MATERIALS; LEARNING ACTIVITIES; NATURAL RESOURCES; OUTDOOR EDUCATION; *PAMPHLETS; STUDY GUIDES

EDRS PRICE: DOCUMENT NOT AVAILABLE FROM EDRS.

DESCRIPTIVE NOTE: 33P.; MISCELLANEOUS LEAFLETS

THE GARDEN CLUB OF AMERICA HAS COMPILED THIS ENVIRONMENTAL EDUCATION PACKET OF INFORMATIONAL MATERIALS TO HELP TEACHERS EDUCATE THEIR STUDENTS FOR SURVIVAL. THE "STUDY GUIDE" CONTAINS ESSAYS BY TEN AUTHORITIES ON TOPICS OF POPULATION, SOIL, AIR, WATER, POWER AND ENERGY, SOLID WASTE MANAGEMENT, OPEN SPACE, PUBLIC LANDS, OCEANS, AND WILDLIFE. EACH IS FOLLOWED BY A SET OF QUESTIONS FOR STUDENT RESEARCH AND DISCUSSION. OTHER LEAFLETS IN THE PACKET ARE "ECOLOGY FOR URBAN CHILDREN" ENUMERATING POSSIBLE ACTIVITIES IN AN URBAN AREA; "WATER POLLUTION, OUR NO-WIN WAR," AN ANALYSIS OF WATER POLLUTION PROBLEMS; "HOW TO GROW A GARDEN;" "OUR NATIONAL PARK SYSTEM," A DESCRIPTION AND LISTING OF NATIONAL PARKS, MONUMENTS, SEASHORES AND LAKESHORES, RECREATION AREAS, SCENIC RIVERS, WILDLIFE REFUGES, AND SCENIC TRAILS; "BERRIED TREASURE FOR YOUR BIRDS" DESCRIBING PLANTINGS NEEDED FOR FOOD, SHELTER, AND WATER; "WHAT DO YOU MEAN--'BIRDLIFE APPETITES'?" SHOWING PICTURES OF BIRDS AS WELL AS OTHER COMMON ANIMALS AND INSECTS; "'DOING' IS FUN," ACTIVITIES FOR WINTER, SPRING, SUMMER, AND AUTUMN; AND "RECOMMENDED SOURCES FOR FURTHER INFORMATION" LISTING BOOKS, ORGANIZATIONS, AND FILMS. (BL)

AVAILABILITY: GARDEN CLUB OF AMERICA, 598 MADISON AVENUE, NEW YORK, NEW YORK 10022

ACCESSION NUMBER: ED077008

PUBLICATION DATE: NOV 72

TITLE: ENVIRONMENTAL STUDIES IN AN ELECTIVE COMMUNICATION PROGRAM.

PERSONAL AUTHOR: HAUGE, KAY

DESCRIPTOR: CURRICULUM GUIDES; *ECOLOGY; *ENGLISH; ENVIRONMENTAL CRITERIA; *ENVIRONMENTAL EDUCATION; HUMANITIES; LITERATURE; *OUTDOOR EDUCATION; RELEVANCE (EDUCATION); *SECONDARY EDUCATION

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$3.29

DESCRIPTIVE NOTE: 21P.; PAPER PRESENTED AT THE ANNUAL MEETING OF THE NATIONAL COUNCIL OF TEACHERS OF ENGLISH (62ND, MINNEAPOLIS, NOVEMBER 23-25, 1972)

THIS PAPER DESCRIBES THE USE AND VALUE OF COURSES IN THE PHYSICAL ENVIRONMENT OFFERED AS PART OF A NON-GRADED ELECTIVE PROGRAM IN THE ENGLISH HIGH SCHOOL CURRICULUM. THE WRITER, WHO HAS TAUGHT SOME OF THESE COURSES, ARGUES THAT THERE IS A DEFINITE PLACE FOR ENVIRONMENTAL STUDIES IN THE HUMANITIES CURRICULUM. ONE COURSE, ENTITLED "WILDERNESS AS A WAY OF LIFE," NOT ONLY INCLUDED READINGS BUT ALSO ASKED THE STUDENT TO DO SOME WILDERNESS LIVING AND TO SUBMIT PROJECTS RELATED TO THESE EXPERIENCES. A COURSE IN SURVIVAL REQUIRED READING IN AND EXPERIENCE OF SURVIVAL TECHNIQUES. THE AUTHOR DESCRIBES SOME OF THE BOOKS THE STUDENT READ IN THIS COURSE AND SOME OF THE PROJECTS THEY CREATED. AN APPENDIX INCLUDES THE COURSE OUTLINE FOR "WILDERNESS AS A WAY OF LIFE," A DISCUSSION OF SOME SUGGESTED PROJECTS FOR THE COURSE, AND A LIST OF BOOKS, FILMS, AND MULTIMEDIA PRESENTATIONS RELEVANT TO THE COURSE. (AUTHOR/DI)

ACCESSION NUMBER: ED077606

PUBLICATION DATE: APR 72

TITLE: CAMPING WITH A PURPOSE...A 4-H HANDBOOK.

PERSONAL AUTHOR: HELLER, JOHN H.; AND OTHERS

DESCRIPTOR: *CAMPING; COSTS; DAY CAMP PROGRAMS; DISADVANTAGED YOUTH; EDUCATIONAL PROGRAMS; *GUIDES; HEALTH; LOW INCOME GROUPS; *OUTDOOR EDUCATION; *PROGRAM DEVELOPMENT; RECREATIONAL ACTIVITIES; RESIDENT CAMP PROGRAMS; *YOUTH PROGRAMS

IDENTIFIER: *FOUR H CLUB CAMPING

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$3.29

DESCRIPTIVE NOTE: 45P.

THE 4-H HANDBOOK FOCUSES ON FACTORS TO CONSIDER AND THINGS TO BE DONE WHEN DEVELOPING A CAMPING PROGRAM. SINCE THE EMPHASIS, STRUCTURE, AND ADMINISTRATION OF 4-H CAMPING VARIES, THE BOOKLET IS FLEXIBLE ENOUGH TO BE ADAPTED TO DIFFERENT STATE, DISTRICT, AND COUNTY SITUATIONS. MAJOR TOPICS ARE CAMPING'S IMPORTANCE TO EXTENSION EDUCATION, ADMINISTRATION OF A CAMP PROGRAM, CAMPING STANDARDS, STAFF, HEALTH, SANITATION, SAFETY, COSTS OF CAMPING, PUBLICIZING THE CAMP, CAMP TRADITIONS, CAMPING FOR LOW-INCOME YOUTH, AND IMPROVEMENT AND SERVICE PROJECTS. PROGRAM DEVELOPMENT IS DIVIDED INTO: (1) THE UNIQUE POSSIBILITIES OF CAMPING, (2) PLANNING THE PROGRAM, (3) HOW CAMP EXPERIENCE STRENGTHENS 4-H OBJECTIVES, AND (4) 5 TYPES OF PROGRAM STRUCTURES. OTHER CAMP TYPES ARE ALSO DISCUSSED, INCLUDING DAY CAMPING, TENT OR PIONEER CAMPING, YEAR-ROUND CAMPING, PROJECT CAMPING, PERSONAL GROWTH CAMPS, AND CAREER CAMPS. THE APPENDIX SUGGESTS A FORMAT FOR WEEK-LONG AND WEEKEND CAMPING WORKSHOPS. (NQ)

AVAILABILITY: SUPERINTENDENT OF DOCUMENTS, U.S. GOVERNMENT PRINTING OFFICE, WASHINGTON, D.C. 20402 (STOCK NO. 0100-1620, $0.50)

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ACCESSION NUMBER: ED077610

PUBLICATION DATE: SEP 72

TITLE: NORTHERN COLORADO OUTDOOR NATURE CENTER PROJECT, POUDRE SCHOOL DISTRICT R-1, FORT COLLINS, COLORADO. FINAL REPORT.

DESCRIPTOR: COMMUNITY INVOLVEMENT; *CURRICULUM GUIDES; ENVIRONMENTAL EDUCATION; FIELD EXPERIENCE PROGRAMS; LEARNING LABORATORIES; MEXICAN AMERICANS; *OUTDOOR EDUCATION; *PROGRAM EVALUATION; *QUESTIONNAIRES; *REPORTS; TEACHER IMPROVEMENT

IDENTIFIER: *COLORADO

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$3.29

DESCRIPTIVE NOTE: 55P.

THE OBJECTIVES OF THE NORTHERN COLORADO OUTDOOR NATURE CENTER PROJECT ARE TO: (1) DEVELOP AN OUTDOOR NATURE CENTER AND AN ENVIRONMENTAL EDUCATION LABORATORY; (2) DEVELOP MULTIDISCIPLINE CURRICULUM GUIDES FOR GRADES K-12; (3) ASSIST TEACHERS IN DEVELOPING SKILLS NECESSARY TO TEACH EFFECTIVELY IN THE OUTDOOR SETTING; AND (4) DEVELOP STUDENT AWARENESS AND SENSITIVITY TO THE ENVIRONMENT AND PROCEDURES FOR PROPER CARE OF IT. THE MIDDLE-CLASS COMMUNITY IS CENTERED IN A DIVERSIFIED AGRICULTURAL AREA. MEXICAN AMERICANS COMPRISE APPROXIMATELY 10% OF THE TOTAL POPULATION. EVALUATION OF THE PROJECT WAS FACILITATED BY A SURVEY OF 9 ELEMENTARY PRINCIPALS, 140 ELEMENTARY TEACHERS, 400 ELEMENTARY STUDENTS, AND 8 JUNIOR HIGH TEACHERS. THE CONCLUSIONS INDICATE THAT: (1) AN OUTDOOR LABORATORY ENCOURAGES PARTICIPATION IN ENVIRONMENTAL ACTIVITIES AND ENHANCES STUDENT AWARENESS AND SENSITIVITY TO ENVIRONMENTAL PROBLEMS; (2) AN ENVIRONMENTAL CURRICULUM GUIDE PROVIDES VALUABLE TEACHER ASSISTANCE FOR PLANNING APPROPRIATE LEARNING EXPERIENCES; (3) IN-SERVICE TEACHER TRAINING IS NECESSARY TO BUILD CONFIDENCE FOR TEACHING IN A DIFFERENT SETTING; AND (4) AN ENVIRONMENTAL EDUCATION PROGRAM SHOULD EMBRACE ALL LEVELS OF INSTRUCTION AND INCLUDE ALL SUBJECT DISCIPLINES IN GRADES K-12. (HBC)

ACCESSION NUMBER: ED077694

PUBLICATION DATE: 73

TITLE: YOUTH STATION GUIDELINES FOR USE.

DESCRIPTOR: EDUCATIONAL FACILITIES; *ELEMENTARY GRADES; ENVIRONMENTAL EDUCATION; GUIDELINES; *OUTDOOR EDUCATION; *PROGRAM DESCRIPTIONS; *RESIDENTIAL PROGRAMS; *SUPPLEMENTARY EDUCATIONAL CENTERS

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$3.29

DESCRIPTIVE NOTE: 53P.

THE TENNESSEE VALLEY AUTHORITY HAS ESTABLISHED A YOUTH STATION IN THE LAND BETWEEN THE LAKES AREA OF KENTUCKY FOR THE PURPOSE OF PROVIDING CURRICULAR ACTIVITIES IN THE OUT-OF-DOORS. THE FACILITIES AND ASSOCIATED CURRICULUM PATTERNS ARE DESIGNED PRIMARILY TO ACCOMMODATE A RESIDENT PROGRAM OF OUTDOOR AND ENVIRONMENTAL EDUCATION EXPERIENCES. TO ASSIST TEACHERS AND ADMINISTRATORS IN USING THE AREA AND PROGRAM, THIS HANDBOOK OFFERS GUIDELINES FOR DEVELOPING AN ENVIRONMENTAL EDUCATION PROGRAM AND LOGISTICS FOR USE OF THE YOUTH STATION. PART ONE EXPLAINS A RESIDENT ENVIRONMENTAL EDUCATION PROGRAM, INDICATING ITEMS RELATED TO PROGRAM PLANNING, PRE-SITE AND POST-SITE ACTIVITIES. PART TWO ENUMERATES FACILITIES, INSTRUCTIONAL AIDS, HEALTH AND SAFETY CONSIDERATIONS, RESIDENT FEES, AND POLICIES REGARDING STAFF AND FACILITIES. APPENDED MATERIAL COMPILES A SUGGESTED CLOTHING LIST, SAMPLE DUTY CHART AND DAILY SCHEDULE, SAMPLE PROGRAMS, AND A BIBLIOGRAPHY. (BL)

74

ACCESSION NUMBER: ED077695

PUBLICATION DATE: JUN 71

TITLE: BEAR CREEK, ALABAMA - TEACHERS' WORKSHOP IN ENVIRONMENTAL EDUCATION (HODGES, ALABAMA, JUNE 14-18, 1971).

DESCRIPTOR: *CURRICULUM GUIDES; *ELEMENTARY GRADES; ENVIRONMENTAL EDUCATION; INSTRUCTIONAL MATERIALS; INTERDISCIPLINARY APPROACH; LEARNING ACTIVITIES; *LESSON PLANS; NATURAL RESOURCES; *OUTDOOR EDUCATION; *SECONDARY GRADES

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$3.29

DESCRIPTIVE NOTE: 52P.

AN OUTDOOR EDUCATION WORKSHOP, INITIATED AT THE REQUEST OF TEACHERS IN THE BEAR CREEK WATERSHED AREA (ALABAMA), WAS CONDUCTED THROUGH A COOPERATIVE EFFORT OF LOCAL AGENCIES AND OFFICES OF THE TENNESSEE VALLEY AUTHORITY. THE PURPOSE OF THE WORKSHOP WAS TO DEMONSTRATE TO THE TEACHERS HOW THE OUTDOORS CAN BE UTILIZED TO INTRODUCE, STRENGTHEN, AND EMPHASIZE CONCEPTS OF THE SCHOOL CURRICULUM. METHODS AND TECHNIQUES FOR TEACHING IN THE OUT-OF-DOORS WERE IDENTIFIED FOR THE FOLLOWING CURRICULUM AREAS: SCIENCE, LANGUAGE ARTS, SOCIAL STUDIES, CREATIVE ARTS, AND MATHEMATICS. LESSON PLANS, DEVELOPED BY THE TEACHERS DURING THE WORKSHOP AND RELATED TO THE ABOVE CURRICULUM AREAS ARE COMPILED IN THIS BOOKLET. IN GENERAL THEY SPECIFY: SUBJECT CATEGORY, CONTRIBUTOR'S NAME, TITLE OF ACTIVITY, GRADE LEVEL, MAJOR CONCEPT, PURPOSE AND OBJECTIVES, MATERIALS REQUIRED, PROCEDURES TO FOLLOW, VOCABULARY WORDS, RELATED ACTIVITIES, RESOURCES, AND EVALUATION. LISTS OF RESOURCE PERSONNEL AND PARTICIPANTS, THE WORKSHOP SCHEDULE, AND A REFERENCE LIST OF BOOKS, PAMPHLETS, AND FILMS SUPPLEMENT THE LESSON PLANS. (BL)

ACCESSION NUMBER: ED077696

PUBLICATION DATE: AUG 71

TITLE: MURRAY STATE UNIVERSITY - TEACHERS' WORKSHOP IN ENVIRONMENTAL EDUCATION (YOUTH STATION, LAND BETWEEN THE LAKES, AUGUST 8-14, 1971).

DESCRIPTOR: *CURRICULUM GUIDES; *ELEMENTARY GRADES; *ENVIRONMENTAL EDUCATION; INSTRUCTIONAL MATERIALS; INTERDISCIPLINARY APPROACH; LEARNING ACTIVITIES; *LESSON PLANS; NATURAL RESOURCES; OUTDOOR EDUCATION; *SECONDARY GRADES

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$3.29

DESCRIPTIVE NOTE: 62P.; PAGES 37-39 MISSING

LESSON PLANS, DEVELOPED BY TEACHERS IN AN ENVIRONMENTAL EDUCATION WORKSHOP, ARE COMPILED IN THIS BOOKLET. CURRICULUM AREAS COVERED BY THE PLANS INCLUDE SCIENCE, LANGUAGE ARTS, MATHEMATICS, SOCIAL STUDIES, ART, RECREATION, AND HEALTH. IN GENERAL THEY SPECIFY: SUBJECT CATEGORY, CONTRIBUTOR'S NAME, TITLE OF ACTIVITY, GRADE LEVEL, MAJOR CONCEPT, PURPOSE AND OBJECTIVES, MATERIALS REQUIRED, PROCEDURES TO FOLLOW, VOCABULARY WORDS, RELATED ACTIVITIES, RESOURCES, AND EVALUATION. LISTS OF RESOURCE PERSONNEL AND PARTICIPANTS, THE WORKSHOP SCHEDULE, AND A REFERENCE LIST OF BOOKS, PAMPHLETS, AND FILMS SUPPLEMENT THE LESSON PLANS. (BL)

76

ACCESSION NUMBER: ED077697

PUBLICATION DATE: JUN 72

TITLE: MURRAY STATE UNIVERSITY - TEACHERS' WORKSHOP IN ENVIRONMENTAL EDUCATION (AUDUBON STATE PARK, HENDERSON, KENTUCKY, JUNE 19-23, 1972).

DESCRIPTOR: *CURRICULUM GUIDES; *ELEMENTARY GRADES; *ENVIRONMENTAL EDUCATION; INSTRUCTIONAL MATERIALS; INTERDISCIPLINARY APPROACH; LEARNING ACTIVITIES; *LESSON PLANS; NATURAL RESOURCES; OUTDOOR EDUCATION; *SECONDARY GRADES

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$3.29

DESCRIPTIVE NOTE: 67P.

LESSON PLANS, DEVELOPED BY TEACHERS IN AN ENVIRONMENTAL EDUCATION WORKSHOP, ARE COMPILED IN THIS BOOKLET. CURRICULUM AREAS COVERED BY THE PLANS INCLUDE SCIENCE, LANGUAGE ARTS, MATHEMATICS, SOCIAL STUDIES, ART, RECREATION, AND HEALTH. IN GENERAL THEY SPECIFY: SUBJECT CATEGORY, CONTRIBUTOR'S NAME, TITLE OF ACTIVITY, GRADE LEVEL, MAJOR CONCEPT, PURPOSE AND OBJECTIVES, MATERIALS REQUIRED, PROCEDURES TO FOLLOW, VOCABULARY WORDS, RELATED ACTIVITIES, RESOURCES, AND EVALUATION. LISTS OF RESOURCE PERSONNEL AND PARTICIPANTS, THE WORKSHOP SCHEDULE, AND A REFERENCE LIST OF BOOKS, PAMPHLETS, AND FILMS SUPPLEMENT THE LESSON PLANS. (BL)

ACCESSION NUMBER: ED077698

PUBLICATION DATE: AUG 72

TITLE: MURRAY STATE UNIVERSITY - TEACHERS' WORKSHOP IN ENVIRONMENTAL EDUCATION (YOUTH STATION, LAND BETWEEN THE LAKES, AUGUST 7-12, 1972).

DESCRIPTOR: *CURRICULUM GUIDES; *ELEMENTARY GRADES; *ENVIRONMENTAL EDUCATION; INSTRUCTIONAL MATERIALS; INTERDISCIPLINARY APPROACH; LEARNING ACTIVITIES; *LESSON PLANS; NATURAL RESOURCES; OUTDOOR EDUCATION; *SECONDARY GRADES

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$3.29

DESCRIPTIVE NOTE: 100P.

LESSON PLANS, DEVELOPED BY TEACHERS IN AN ENVIRONMENTAL EDUCATION WORKSHOP, ARE COMPILED IN THIS BOOKLET. CURRICULUM AREAS COVERED BY THE PLANS INCLUDE MAP SKILLS, ART, LANGUAGE ARTS, SCIENCE, SOCIAL STUDIES, MATHEMATICS, AND PHYSICAL EDUCATION AND RECREATION. IN GENERAL THEY SPECIFY: SUBJECT CATEGORY, CONTRIBUTOR'S NAME, TITLE OF ACTIVITY, GRADE LEVEL, MAJOR CONCEPT, PURPOSE AND OBJECTIVES, MATERIALS REQUIRED, PROCEDURES TO FOLLOW, VOCABULARY WORDS, RELATED ACTIVITIES, RESOURCES, AND EVALUATION. LISTS OF RESOURCE PERSONNEL AND PARTICIPANTS, THE WORKSHOP SCHEDULE, AND A REFERENCE LIST OF BOOKS, PAMPHLETS, AND FILMS SUPPLEMENT THE LESSON PLANS. (BL)

ACCESSION NUMBER: ED078687

PUBLICATION DATE: 73

TITLE: SOMEWHERE ELSE; A LIVING-LEARNING CATALOG.

DESCRIPTOR: *ALTERNATIVE SCHOOLS; *CATALOGS; *DISCOVERY LEARNING; EDUCATIONAL RESOURCES; *INDEPENDENT STUDY; INDIVIDUAL DEVELOPMENT; LEARNING ACTIVITIES; *LEARNING EXPERIENCE; MEDIA TECHNOLOGY; OPEN EDUCATION; OUTDOOR EDUCATION; RELIGION; SELF ACTUALIZATION; SKILL DEVELOPMENT; SOCIAL CHANGE; WOMENS STUDIES

EDRS PRICE: DOCUMENT NOT AVAILABLE FROM EDRS.

DESCRIPTIVE NOTE: 211P.

BASED ON THE PREMISE THAT LEARNING TAKES PLACE EVERYWHERE, NOT JUST WITHIN THE CONFINES OF A CLASSROOM OR INSTITUTION, THIS CATALOG LISTS PLACES TO LEARN THAT DON'T INCLUDE CREDENTIALS, THAT ARE ONGOING PROGRAMS OPEN TO ALL AGES, COLORS AND PERSUASIONS, AND THAT ARE NOT EASILY FOUND BY PERSONS SEARCHING FOR ALTERNATIVE LEARNING PLACES. IT IS ORGANIZED INTO TWO PARTS: CENTERS, WHICH LISTS PLACES, PEOPLE OR THINGS TO GO TO FOR INSTRUCTION; AND NETWORKS, WHICH ARE PEOPLE, PLACES OR THINGS TO GO TO FOR INFORMATION ABOUT INSTRUCTION. UNDER CENTERS AND NETWORKS, CATEGORIES ARE LISTED WHICH INCLUDE ALTERNATIVE FUTURES, CRAFTS AND SKILLS, GAY LIBERATION, GROWTH, MEDIA, NEW LEARNING, OUTDOORS, SOCIAL AND POLITICAL CHANGE, RELATION, AND WOMEN. ENTRIES ARE CROSS-REFERENCED AND BOTH GEOGRAPHICAL AND ALPHABETICAL INDEXES ARE INCLUDED. (SH)

AVAILABILITY: THE SWALLOW PRESS, INC., 1139 SOUTH WABASH AVENUE, CHICAGO, ILLINOIS 60605 ($6.00, PAPERBACK $3.00)

ACCESSION NUMBER: ED079098

PUBLICATION DATE: 72

TITLE: THE CONSERVATION OF NORTH CAROLINA'S NATURAL RESOURCES.

DESCRIPTOR: CONSERVATION EDUCATION; CURRICULUM GUIDES; *ENVIRONMENTAL EDUCATION; FUNDAMENTAL CONCEPTS; INSTRUCTIONAL MATERIALS; *LEARNING ACTIVITIES; *NATURAL RESOURCES; OUTDOOR EDUCATION; *SECONDARY GRADES; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS)

IDENTIFIER: ESEA TITLE III; NORTH CAROLINA

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$6.58

DESCRIPTIVE NOTE: 158P.

THIS IS A COURSE DESIGNED SPECIFICALLY FOR USE IN EASTERN NORTH CAROLINA OR A SIMILAR GEOGRAPHIC REGION BUT THIS DOES NOT PRECLUDE THE USE OF ITS CONCEPTS AND BASIC STRUCTURE FOR OTHER GEOGRAPHIC REGIONS. PLANS AND ACTIVITIES ARE STUDENT-CENTERED AND MANY ARE PROBLEM-SOLVING ORIENTED AND, THEREFORE, MAY BE MODIFIED WITHOUT DISRUPTING THE CONCEPTUAL SCHEME. TOPOGRAPHY, GEOGRAPHICAL HISTORY, CONSERVATION, AND SALT WATER MARSHES ARE THE MAJOR TOPICS OF STUDY, SELECTED TO DEVELOP AN UNDERSTANDING OF THE IMPACT THAT MANAGEMENT AND UTILIZATION OF NATURAL RESOURCES HAVE ON THE ECONOMIC, SOCIAL, AND GENERAL WELFARE OF MAN. EACH UNIT BEGINS WITH A GENERAL OVERVIEW INDICATING THE TITLE OF THE UNIT, TIME ALLOTMENT, PURPOSE OR OBJECTIVE, AND ABSTRACT OF CONTENT. THIS IS FOLLOWED BY AN OUTLINE OF THE PRE-, MAJOR, AND POST-ACTIVITIES WHICH COMPOSE THE UNIT, THEIR REQUIRED TIME PERIODS, AND A LIST OF SUPPLEMENTAL ACTIVITIES/QUESTIONS/REFERENCES FOR THE TEACHER. EACH ACTIVITY ENUMERATES, WHERE APPROPRIATE, BACKGROUND INFORMATION, MAJOR POINTS TO EMPHASIZE, PERTINENT QUESTIONS, TEACHING PROCEDURES, MATERIALS REQUIRED, AND RELATED INFORMATION. A VARIETY OF MEDIA AND PROCESSES IS SUGGESTED TO ALLOW FOR FLEXIBILITY. THIS WORK WAS PREPARED UNDER A CONTRACT FOR AN ESEA TITLE III PROJECT, "ENVIRONMENTAL SCIENCE STUDY CURRICULUM." (BL)

80

ACCESSION NUMBER: ED079106

PUBLICATION DATE: SEP 72

TITLE: ENVIRONMENTAL ECOLOGICAL EDUCATION PROGRAM, INTERIM EVALUATION REPORT JULY 1, 1971 - JUNE 30, 1972.

DESCRIPTOR: ECOLOGY; EDUCATIONAL PROGRAMS; *ENVIRONMENTAL EDUCATION; *EVALUATION; HANDICAPPED STUDENTS; INSERVICE TEACHER EDUCATION; INTERMEDIATE GRADES; OUTDOOR EDUCATION; *PROJECTS; *REPORTS; RESIDENT CAMP PROGRAMS; SUPPLEMENTARY EDUCATIONAL CENTERS

IDENTIFIER: ESEA TITLE III

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$3.29

DESCRIPTIVE NOTE: 91P.

THE PROJECT INVOLVED AN INSERVICE WORKSHOP FOR TEACHERS, A SERIES OF EXPERIENCES FOR INTERMEDIATE ELEMENTARY STUDENTS IN AN OUTDOOR ENVIRONMENTAL INTERPRETATION CENTER, A ONE-WEEK OUTDOOR RESIDENT CAMP PROGRAM FOR STUDENTS IN GRADES FIVE AND SIX, AND A SIX-WEEK SUMMER ENVIRONMENTAL/ECOLOGICAL PROGRAM FOR MENTALLY RETARDED AND ORTHOPEDICALLY HANDICAPPED STUDENTS. PROGRAM OBJECTIVES ARE DEFINED TOGETHER WITH A SUMMARY OF THEIR RESPECTIVE ACTIVITIES AND EVALUATIONS. A BRIEF REVIEW IS ALSO GIVEN OF THE DISSEMINATION ACTIVITIES EMANATING FROM THE PROJECT. THE APPENDICES PROVIDE SEVERAL SURVEY INSTRUMENTS AND QUESTIONNAIRES, INCLUDING RESULTS, WHICH WERE USED TO EVALUATE ATTITUDES AND SKILLS ACHIEVED BY TEACHERS AND STUDENTS IN THE VARIOUS ASPECTS OF THE PROJECT. STAFF REPORTS, PARENT LETTERS, AND SAMPLE OF STUDENT WORK CONCLUDE THE REPORT. THIS WORK WAS PREPARED UNDER AN ESEA TITLE III CONTRACT. (BL)

ACCESSION NUMBER: ED079898

PUBLICATION DATE: 73

TITLE: THE EASTER SEAL DIRECTORY OF RESIDENT CAMPS FOR PERSONS WITH SPECIAL HEALTH NEEDS.

DESCRIPTOR: *CAMPING; *DIRECTORIES; *EXCEPTIONAL CHILD SERVICES; *HANDICAPPED CHILDREN; *OUTDOOR EDUCATION

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$3.29

DESCRIPTIVE NOTE: 80P.;EIGHTH EDITION

THE DIRECTORY DESCRIBES APPROXIMATELY 260 RESIDENT CAMPS IN 44 STATES AND CANADA FOR CHILDREN AND ADULTS WITH PHYSICAL, MENTAL, SOCIAL, AND/OR EMOTIONAL HANDICAPS WHICH HAVE BEEN COMPILED BY THE NATIONAL EASTER SEAL SOCIETY FOR CRIPPLED CHILDREN AND ADULTS. ORGANIZED ALPHABETICALLY BY STATE, EACH CAMP LISTING INCLUDES INFORMATION ON IMPAIRMENTS ACCOMMODATED, NAME AND LOCATION, AGE RANGE SERVED, NUMBER OF SESSIONS, CAPACITY PER SESSION, FEES, CAMPERSHIPS AVAILABLE, OTHER DETAILS OF INTEREST, AND SPONSOR'S NAME AND ADDRESS. ALSO INCLUDED ARE AN INDEX WHICH LISTS CAMPS BY DISABILITY GROUPS SERVED, AND AN INDEX WHICH LISTS CAMPS ALPHABETICALLY. (MC)

AVAILABILITY: THE NATIONAL EASTER SEAL SOCIETY FOR CRIPPLED CHILDREN AND ADULTS, 2023 WEST OGDEN AVENUE, CHICAGO, ILLINOIS 60612 (STOCK NO. E-41 $1.00)

ACCESSION NUMBER: ED080264

TITLE: ARTS AND CRAFTS FOR OUTDOORS.

PERSONAL AUTHOR: WEITZMAN, ROSE

DESCRIPTOR: *ART ACTIVITIES; CONCEPT FORMATION; *CREATIVE ART; HANDICAPPED CHILDREN; *HANDICRAFTS; LEARNING EXPERIENCE; *OUTDOOR EDUCATION; PERCEPTION; STUDENT EXPERIENCE; *TEACHER ROLE

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$3.29

DESCRIPTIVE NOTE: 4P.

A TEACHER'S ROLE IS TO MAKE THE CHILD TOTALLY AWARE OF HIS WORLD. CREATIVE ARTS AND CRAFTS SHOULD LEAD THE NORMAL OR HANDICAPPED CHILD TO INCREASED AWARENESS OF AND SENSITIVITY TO THE WORLD AROUND HIM. SUCH BASIC CONCEPTS AS SHAPE, COLOR, TEXTURE, SYMMETRY, DESIGNS AND PATTERNS, MOVEMENTS, AND DISTANCE PERCEPTION CAN BE DEVELOPED THROUGH ARTS AND CRAFTS. BY GIVING THE CHILD ART EXPERIENCES IN THE OUT-OF-DOORS, THESE CONCEPTS CAN BE TAUGHT BY INFINITE METHODS. THESE EXPERIENCES SHOULD ALSO DEVELOP AWARENESS, CHALLENGE, STIMULATION, INDIVIDUAL EXPRESSION, ENJOYMENT, AND APPRECIATION. AN OUT-OF-DOORS PROGRAM CAN BE MODIFIED TO FIT ANY SETTING. SUGGESTED ARTS AND CRAFTS ARE LISTED IN THIS PAPER TO GUIDE THE TEACHER IN DEVELOPING PROGRAMS SUITABLE FOR THEIR LOCAL ENVIRONMENT. (NQ)

ACCESSION NUMBER: ED080265

PUBLICATION DATE: 10 MAR 73

TITLE: RELATING OUTDOOR EDUCATION CONCEPTS TO TEACHERS OF EMOTIONALLY HANDICAPPED CHILDREN AND YOUTH - LONG ISLAND AREA - MARCH 10, 1973.

PERSONAL AUTHOR: HARTMAN, BERTHA

DESCRIPTOR: *ACTIVITIES; *EMOTIONALLY DISTURBED CHILDREN; *LANGUAGE ARTS; LANGUAGE DEVELOPMENT; LEARNING ACTIVITIES; *MULTISENSORY LEARNING; ORAL EXPRESSION; *OUTDOOR EDUCATION

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$3.29

DESCRIPTIVE NOTE: 5P.

THE INABILITY OF THE EMOTIONALLY HANDICAPPED YOUNGSTER TO RESPOND APPROPRIATELY TO SENSE STIMULI IS SHOWN BY CLUTTERED, INACCURATE, OR AGGRAVATED REACTIONS. FOR HIM, SCHOOL IS FULL OF FRUSTRATIONS AND FAILURES. HE MUST BE PROVIDED WITH RELEVANT MOTIVATIONAL AND PLEASURABLE LEARNING ACTIVITIES TO INTEREST HIM LONG ENOUGH FOR TEACHING TO TAKE PLACE. ACTIVITIES SHOULD EMPHASIZE EXTENDING THE QUALITY OF OBSERVATION AND THE INCREASED DEVELOPMENT OF SENSORY AWARENESS THROUGH DIRECTED USE OF THE 5 SENSES. THE OUT-OF-DOORS CAN BE USED AS A LABORATORY FOR INCREASING SENSORY SENSITIVITY WHILE THE CLASSROOM CAN BE A PLACE FOR ORIENTATION, TEACHING, AND EVALUATION. SOME LANGUAGE ARTS ACTIVITIES FOR THE OUT-OF-DOORS AND THE CLASSROOM ARE LISTED IN THIS PAPER. ACTIVITIES OVERLAP FROM ONE AREA TO ANOTHER. (NQ)

ACCESSION NUMBER: ED080266

PUBLICATION DATE: 71

TITLE: GUIDE TO PRE-PLANNING. A GUIDE TO BE USED IN PREPARATION OF CLASSES ATTENDING ALBION HILLS CONSERVATION FIELD CENTRE OR CLAREMONT CONSERVATION FIELD CENTRE. REVISED EDITION.

PERSONAL AUTHOR: SNELL, BLANCHE E.

DESCRIPTOR: ACADEMIC EDUCATION; ATTITUDES; CLASSROOM PARTICIPATION; *CONSERVATION EDUCATION; *GROUP LIVING; *GUIDELINES; NATURAL RESOURCES; *OUTDOOR EDUCATION; SKILLS; *SOCIAL BEHAVIOR; STUDENT INTERESTS

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$3.29

DESCRIPTIVE NOTE: 42P.; ORIGINAL PREPARED IN 1963; REVISED AND REPRINTED 1966, 1969, AND 1971

THE PURPOSE OF THIS PRE-PLANNING GUIDE IS TO ASSIST THOSE IN CHARGE OF CLASSES IN RESIDENCE THAT ATTEND THE CONSERVATION FIELD CENTER DURING THE SCHOOL WEEK. THE GUIDE PROVIDES NECESSARY DETAILS ON CLOTHING, SPENDING MONEY, HEALTH AND SAFETY, THE ROLE OF THE PARENT, DUTIES AND HOUSEKEEPING RULES, DAILY TIME SCHEDULES AND PROGRAMS. IT IS NOTED THAT THE SUCCESS OF THE STAY AT THE CENTER WILL DEPEND ON HOW WELL THE TEACHER INVOLVES HIS CLASS IN PRE-PLANNING, POST-STUDIES, AND EVALUATION. SAMPLE FORMS, MAPS, AND FLOOR PLANS OF THE FACILITIES ARE PROVIDED. (PS)

ACCESSION NUMBER: ED080344

PUBLICATION DATE: 73

TITLE: TEACHER RESOURCE GUIDE, PROJECT ECO.

DESCRIPTOR: ECOLOGY; ELEMENTARY GRADES; ENVIRONMENTAL EDUCATION; *FIELD STUDIES; INSTRUCTIONAL MATERIALS; *LESSON PLANS; *NATURAL RESOURCES; *OUTDOOR EDUCATION; SCIENCE ACTIVITIES; SECONDARY GRADES; *TEACHING GUIDES

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$6.58

DESCRIPTIVE NOTE: 193P.

MORE THAN 100 OUTDOOR EDUCATION AND FIELD SCIENCE PROJECTS ARE COMPILED IN THIS TEACHER'S RESOURCE BOOK. DESIGNED FOR USE IN GRADES K-9, THE ACTIVITIES COVER THE AREAS OF FIELD TAXONOMY, LABORATORY TAXONOMY, AUTECOLOGY, SYNECOLOGY, ADAPTATION, ECONOMIC BIOLOGY, CONSERVATION, MUSEUM METHODS, CULTURING, ZOO KEEPING, GARDENING, AND WOODCRAFT. EACH PROJECT DESIGNATES THE TOPIC (COMMUNITY RELATIONSHIPS, LIFE FORMS, SOILS, WATER, AIR, FOSSILS, OR YOU IN YOUR ENVIRONMENT), SUGGESTED GRADE LEVEL, LOCALITY, ACTIVITY OR PROBLEM, BACKGROUND NEEDED, SPECIFIC OBJECTIVE, ANTICIPATED OUTCOMES (CONCEPTS), PROCEDURE, MATERIALS NEEDED, AND SUGGESTED EVALUATION. SUPPLEMENTAL ACTIVITIES IN ART, SOCIAL STUDIES, LANGUAGE ARTS, MATHEMATICS, AND SCIENCE ARE LISTED BUT NOT EXPLAINED IN DETAIL TOGETHER WITH A LARGE BOOKLIST. TEACHER RESPONSIBILITIES FOR PREPARING FIELD TRIPS AND USING FACILITIES ARE ALSO EXPLAINED AND PROGRAM EVALUATION QUESTIONS ARE SUGGESTED. (BL)

86

ACCESSION NUMBER: ED080366

PUBLICATION DATE: 73

TITLE: FIELD LEARNING ACTIVITIES.

DESCRIPTOR: *CURRICULUM GUIDES; ECOLOGY; ELEMENTARY GRADES; *ENVIRONMENTAL EDUCATION; *FIELD STUDIES; INSTRUCTIONAL MATERIALS; INTERDISCIPLINARY APPROACH; *LEARNING ACTIVITIES; *NATURAL RESOURCES; OUTDOOR EDUCATION; SECONDARY GRADES

EDRS PRICE: EDRS PRICE MF-$0.65 HC-$9.87

DESCRIPTIVE NOTE: 281P.

SEVENTY FIELD ACTIVITIES, PERTINENT TO OUTDOOR, ENVIRONMENTAL STUDIES, ARE DESCRIBED IN THIS COMPILATION. DESIGNED FOR ELEMENTARY AND JUNIOR HIGH SCHOOL STUDENTS, THE ACTIVITIES COVER MANY DISCIPLINE AREAS--SCIENCE, SOCIAL STUDIES, LANGUAGE ARTS, HEALTH, HISTORY, MATHEMATICS, AND ART--AND MANY ARE MULTIDISCIPLINARY IN USE. TOPICS RANGE FROM SOIL STUDY, ANIMAL TRACES, AND WATERSHEDS TO ECOSYSTEMS, FOOD CHAINS, AND SUCCESSION; FROM MAPPING, STREAM SURVEYS, AND EFFECTS OF AIR POLLUTION TO LISTENING, EXPRESSING TEXTURES, AND COMMUNITY PROFILES. AN INTRODUCTORY PAGE FOR EACH ACTIVITY LISTS THE LEARNING EXPERIENCE (TOPIC), CURRICULUM AREA(S), GRADE LEVEL(S), AND CONCEPTUAL THEME. FOLLOWING THIS IS A DETAILED ACCOUNT OF OBJECTIVES, UNIT CONCEPTS, BACKGROUND SUBJECT INFORMATION OR PROBLEM IDENTIFICATION, MATERIALS NEEDED, PROCEDURES FOR CONDUCTING THE FIELD ACTIVITY, NUMEROUS QUESTIONS, AND FOLLOW-UP ACTIVITIES. (BL)

PART II: CITATIONS FROM
CURRENT INDEX TO JOURNALS IN EDUCATION

ACCESSION NUMBER: EJ060017

PUBLICATION DATE: SPR 72

TITLE: RISK TAKING FOR PROSPECTIVE TEACHERS

PERSONAL AUTHOR: METCALFE, JOHN A.

DESCRIPTOR: *GUIDELINES; OUTDOOR EDUCATION; *PERCEPTUAL DEVELOPMENT; PHYSICAL ACTIVITIES; *RISK; *STUDENT TEACHERS

JOURNAL CITATION: JOURNAL OF OUTDOOR EDUCATION; 6; 3; 9-11

ACCESSION NUMBER: EJ060406

PUBLICATION DATE: SPR 72

TITLE: STILL MORE OUTDOOR LEADERS I HAVE KNOWN

PERSONAL AUTHOR: VINAL, WILLIAM

DESCRIPTOR: *EDUCATIONAL BACKGROUND; *LEADERSHIP; *OUTDOOR EDUCATION; *TRAINING

PRESENTS THE EDUCATIONAL BACKGROUND OF 3 GREAT OUTDOOR EDUCATION LEADERS: EDWARD HOWE FORBUSH, GEORGE WILTON FIELD, AND HAROLD C. BRYANT. (NQ)

JOURNAL CITATION: JOURNAL OF OUTDOOR EDUCATION; 6; 3; 3-4

ACCESSION NUMBER: EJ060422

PUBLICATION DATE: SUM 72

TITLE: SUCCESSFUL TRAILS FOR THE BLIND

PERSONAL AUTHOR: SPINELLI, TONY; EARLEY, JAMES

DESCRIPTOR: OUTDOOR EDUCATION; RECREATIONAL FACILITIES; *SITE DEVELOPMENT; *TRAILS; *VISUALLY HANDICAPPED

JOURNAL CITATION: JOURNAL OF ENVIRONMENTAL EDUCATION; 3; 4; 43-44

ACCESSION NUMBER: EJ060647

PUBLICATION DATE: JUN 72

TITLE: STUMP SCOUTING. . . .

PERSONAL AUTHOR: RILLO, THOMAS J.

DESCRIPTOR: *ELEMENTARY SCHOOL STUDENTS; *ENVIRONMENTAL EDUCATION; JUNIOR HIGH SCHOOL STUDENTS; MOTIVATION; OUTDOOR EDUCATION; SCIENCE ACTIVITIES; TEACHING TECHNIQUES; *TREES

SUGGESTS USING OLD TREE STUMPS AS A BASIS FOR AROUSING STUDENT INTEREST AND QUESTIONS. (CP)

JOURNAL CITATION: SCIENCE ACTIVITIES; 7; 5; 13-19

ACCESSION NUMBER: EJ061155

PUBLICATION DATE: SUM 72

TITLE: RESEARCH IN OUTDOOR EDUCATION

PERSONAL AUTHOR: DONALDSON, GEORGE W.

DESCRIPTOR: *ENVIRONMENTAL EDUCATION; *OUTDOOR EDUCATION; *RESEARCH NEEDS; STATE OF THE ART REVIEWS

TYPES OF RESEARCH STUDIES NEEDED IN THE FIELD OF OUTDOOR EDUCATION ARE SUMMARIZED: HISTORICAL, PHILOSOPHICAL, CONTENT, EVALUATIVE, TEACHER EDUCATION, AND ADMINISTRATIVE. EMPHASIS OF PAST RESEARCH IS ALSO REVIEWED. (BL)

JOURNAL CITATION: JOURNAL OF ENVIRONMENTAL EDUCATION; 3; 4; 9-10

ACCESSION NUMBER: EJ061169

PUBLICATION DATE: SPR 72

TITLE: PERSPECTIVE: A FUTURE TEACHER LOOKS AT OUTDOOR EDUCATION

PERSONAL AUTHOR: GOOD, NANCY

DESCRIPTOR: DISCOVERY LEARNING; *EDUCATIONAL FACILITIES; HORTICULTURE; *NATURAL RESOURCES; *OPEN PLAN SCHOOLS; *OUTDOOR EDUCATION; *SCHOOL LOCATION; WATER RESOURCES

JOURNAL CITATION: JOURNAL OF OUTDOOR EDUCATION; 6; 3; 14-16

ACCESSION NUMBER: EJ061236

PUBLICATION DATE: SPR 72

TITLE: PERSPECTIVE: STUDENT TEACHERS CHANGE THEIR ROLE PERCEPTION OUTDOORS

PERSONAL AUTHOR: CHAFFEE, CLIFFORD

DESCRIPTOR: *CHANGING ATTITUDES; *OUTDOOR EDUCATION; *ROLE PERCEPTION; *STUDENT TEACHERS

JOURNAL CITATION: JOURNAL OF OUTDOOR EDUCATION; 6; 3; 12-13

ACCESSION NUMBER: EJ062131

PUBLICATION DATE: JUN 72

TITLE: A GARDEN BECOMES A TEACHING TOOL

PERSONAL AUTHOR: BOYER, SARAH

DESCRIPTOR: *DEMONSTRATION PROJECTS; *EDUCATIONAL PROGRAMS; EXTENSION EDUCATION; HORTICULTURE; *OUTDOOR EDUCATION; *PLANT SCIENCE

IDENTIFIER: *GARDENS

IN OLMSTED COUNTY, MINNESOTA, A GARDEN BECAME AN OUTDOOR CLASSROOM FOR EXTENSION PROGRAM ASSISTANTS IN THE FOOD AND NUTRITION EDUCATION PROGRAM. (AUTHOR/MB)

JOURNAL CITATION: EXTENSION SERVICE REVIEW; 43; 6; 8-9

ACCESSION NUMBER: EJ062517

PUBLICATION DATE: AUG 72

TITLE: OVER THE RIVER AND THROUGH THE WOODS TO SELF-AWARENESS

PERSONAL AUTHOR: GOMOLAK, LOU

DESCRIPTOR: ADMINISTRATOR EDUCATION; COLLEGE FACULTY; *ECOLOGY; *ENVIRONMENTAL EDUCATION; HIGHER EDUCATION; *NATURAL RESOURCES; *OUTDOOR EDUCATION; PROGRAM DESCRIPTIONS; TEACHER EDUCATION

IDENTIFIER: *OUTWARD BOUND PROGRAM

DESCRIBES OUTWARD BOUND PROGRAM, AN OUTDOOR EDUCATION PROGRAM FOR PROFESSORS AND ADMINISTRATORS. (HS)

JOURNAL CITATION: COLLEGE AND UNIVERSITY BUSINESS; 53; 2; 43-45

ACCESSION NUMBER: EJ062519

PUBLICATION DATE: JUN-JUL 72

TITLE: YOUTH AND THE ENVIRONMENT

PERSONAL AUTHOR: BENNETT, SHAUN

DESCRIPTOR: *CURRICULUM ENRICHMENT; *ENVIRONMENTAL EDUCATION; *FIELD TRIPS; INTERDISCIPLINARY APPROACH; LEARNING ACTIVITIES; OUTDOOR EDUCATION; *PROGRAM DESCRIPTIONS; SECONDARY GRADES

AN OVERNIGHT CANOE TRIP BY SEVENTH AND EIGHTH GRADE STUDENTS ON LAKE GEORGE, NEW YORK, EXEMPLIFIES ONE ASPECT OF EXTENDING THE CURRICULUM, BOTH FOR RECREATION AND ENVIRONMENTAL EDUCATION. EXPERIENCES WITH CAMPING, CANOEING, AMERICAN HISTORY, AQUATIC ECOLOGY, AND OTHER AREAS ARE DESCRIBED TO SHOW THE UNLIMITED POSSIBILITIES OF SUCH ACTIVITIES. (BL)

JOURNAL CITATION: CONSERVATIONIST; 26; 6; 32-33

ACCESSION NUMBER: EJ063092

PUBLICATION DATE: F-W 71

TITLE: BASIC CONSIDERATIONS FOR OUTDOOR EDUCATION

PERSONAL AUTHOR: RILLO, THOMAS J

DESCRIPTOR: *LEADERSHIP; *LEARNING PROCESSES; *OUTDOOR EDUCATION; STUDENT EXPERIENCE; *TEACHER EDUCATION; *TEACHING TECHNIQUES

JOURNAL CITATION: COMMUNICATOR; 3; 2; 2-5

ACCESSION NUMBER: EJ064120

PUBLICATION DATE: F-W 71

TITLE: ART IN THE WOODS

PERSONAL AUTHOR: BRUYN, FRANCES S.

DESCRIPTOR: *CREATIVE ART; *OUTDOOR EDUCATION; *STUDENT PROJECTS; *TEACHER DEVELOPED MATERIALS; *TEACHING TECHNIQUES

JOURNAL CITATION: COMMUNICATOR; 3; 2; 36-8

ACCESSION NUMBER: EJ064311

PUBLICATION DATE: SPR 72

TITLE: THE FOREST ENVIRONMENT; AN ECOLOGICAL CLASSROOM

PERSONAL AUTHOR: WEEKS, JOHN A.

DESCRIPTOR: *CONSERVATION EDUCATION; *ECOLOGY; FIELD TRIPS; *OUTDOOR EDUCATION; *TREES

JOURNAL CITATION: COMMUNICATOR; 3; 3; 22-6

ACCESSION NUMBER: EJ064393

PUBLICATION DATE: F 72

TITLE: SOMETHING HIDDEN... GO AND FIND IT

PERSONAL AUTHOR: DEFRIES, GERALD B.

DESCRIPTOR: *CURRICULUM ENRICHMENT; *EDUCATIONAL OBJECTIVES; FINANCIAL SUPPORT; GRADE 7; *OUTDOOR EDUCATION; PHYSICAL EDUCATION; *PROGRAM DESCRIPTIONS

AN OVERNIGHT, CROSS COUNTRY SKI TOUR WAS USED AS A WINTER OUTDOOR TEACHING ACTIVITY. (NQ)

JOURNAL CITATION: COMMUNICATOR; 4; 1; 38-40

ACCESSION NUMBER: EJ064517

PUBLICATION DATE: SEP 72

TITLE: DON'T CALL IT "KAYAK COLLEGE"

PERSONAL AUTHOR: TROMBLEY, WILLIAM

DESCRIPTOR: *EDUCATIONAL INNOVATION; *EDUCATIONAL PHILOSOPHY; *EXPERIMENTAL COLLEGES; EXPERIMENTAL CURRICULUM; *HIGHER EDUCATION; *OUTDOOR EDUCATION

DESCRIBES PRESCOTT COLLEGE IN ARIZONA WHERE STUDENTS UNDERGO RIGOROUS OUTDOOR EXERCISE IN ADDITION TO CHALLENGING ACADEMIC EXPERIENCES. (HS)

JOURNAL CITATION: CHANGE; 4; 7; 15-17

ACCESSION NUMBER: EJ064560

PUBLICATION DATE: SPR 72

TITLE: ENVIRONMENT CRISIS--A TASK FOR EDUCATION

PERSONAL AUTHOR: HAMMERMAN, DONALD R.

DESCRIPTOR: *ECOLOGY; *ENVIRONMENTAL EDUCATION; ORGANIZATIONS (GROUPS); *OUTDOOR EDUCATION; SOCIAL PROBLEMS; *TEACHER EDUCATION

JOURNAL CITATION: COMMUNICATOR; 3; 3; 14-5

ACCESSION NUMBER: EJ064561

PUBLICATION DATE: SPR 72

TITLE: HAWK WATCH-1971

PERSONAL AUTHOR: BIEBER, EDWARD

DESCRIPTOR: *BIOLOGY; *FIELD TRIPS; *OUTDOOR EDUCATION; RECYCLING; *SCIENCE CURRICULUM

TEACHES THE CONCEPT OF MIGRATION. (FF)

JOURNAL CITATION: COMMUNICATOR; 3; 3; 32-4

ACCESSION NUMBER: EJ064563

PUBLICATION DATE: F 72

TITLE: THE OPEN CORRIDOR AND OUTDOOR EDUCATION

PERSONAL AUTHOR: LEWIS, CHARLES; KOVAL, GEORGIA

DESCRIPTOR: CREATIVE DEVELOPMENT; HUMANISM; *LEARNING EXPERIENCE; *OPEN PLAN SCHOOLS; *OUTDOOR EDUCATION

AS THE OPEN CORRIDOR ENABLES NEW LEARNING EXPERIENCES FOR CHILDREN BY COMBINING CLASSROOMS, SO THE OUTDOORS ALLOWS TEACHER AND PUPILS TO REORIENT THEMSELVES ABOUT THEIR ENVIRONMENT THROUGH DIRECT EXPERIENCES. (NQ)

JOURNAL CITATION: COMMUNICATOR; 4; 1; 5

ACCESSION NUMBER: EJ064564

PUBLICATION DATE: F 72

TITLE: OUTDOOR EDUCATION... TOTALLY

PERSONAL AUTHOR: BOVER, RONNIE

DESCRIPTOR: EDUCATIONAL EXPERIENCE; *EDUCATIONAL PROGRAMS; ENVIRONMENTAL EDUCATION; LEARNING ACTIVITIES; *OUTDOOR EDUCATION; *STUDENT PARTICIPATION

IDENTIFIER: CORTLAND; NEW YORK; *STATE UNIVERSITY COLLEGE

THE ELLA VAN HOESEN CAMPUS LABORATORY SCHOOL ATTEMPTS TO INVOLVE CHILDREN IN DIRECT EXPERIENCES SO HE MAY BETTER UNDERSTAND HIS ENVIRONMENT. (NQ)

JOURNAL CITATION: COMMUNICATOR; 4; 1; 6-7

ACCESSION NUMBER: EJ064565

PUBLICATION DATE: F 72

TITLE: OUTDOOR EDUCATION--STRENGTH THROUGH DIVERSITY

PERSONAL AUTHOR: SMITH, JULIAN W.

DESCRIPTOR: DIVERGENT THINKING; *EDUCATIONAL RESOURCES; *LEADERSHIP; *LEARNING EXPERIENCE; *OUTDOOR EDUCATION; *PHYSICAL EDUCATION

JOURNAL CITATION: COMMUNICATOR; 4; 1; 12-3

ACCESSION NUMBER: EJ065011

PUBLICATION DATE: F 72

TITLE: PRESCOTT INSTITUTIONS' ORIENTATION PROGRAM

PERSONAL AUTHOR: GOODWIN, VIRGINIA

DESCRIPTOR: *LEARNING EXPERIENCE; OUTDOOR EDUCATION; *PROGRAM DESCRIPTIONS; *SCHOOL ORIENTATION

IDENTIFIER: OUTWARD BOUND; *PRESCOTT INSTITUTIONS

THE STUDENTS' FIRST 3 WEEKS OF COLLEGE ARE SPENT BECOMING MORE FAMILIAR WITH ONE'S SELF IN THE UNFAMILIAR ENVIRONMENT OF AMERICA'S WILDERNESS AREAS. (NQ)

JOURNAL CITATION: COMMUNICATOR; 4; 1; 26-8

ACCESSION NUMBER: EJ065515

PUBLICATION DATE: F 72

TITLE: CLASS OF THE WOODLANDS: BOREDOM STOPPER; A UNIQUE PROGRAM FOR 9TH & 10TH GRADE STUDENTS

PERSONAL AUTHOR: MCCORMICK, TERENCE

DESCRIPTOR: *ENVIRONMENTAL EDUCATION; *FIELD TRIPS; *GRADE 10; *GRADE 9; OUTDOOR EDUCATION; *PROGRAM DESCRIPTIONS; SCIENCE EDUCATION; SUMMER PROGRAMS

JOURNAL CITATION: COMMUNICATOR; 4; 1; 30-2

ACCESSION NUMBER: EJ065761

PUBLICATION DATE: SPR 72

TITLE: EXPLORING SCATOLOGY AS AN OUTDOOR TEACHING TECHNIQUE

PERSONAL AUTHOR: RILLO, THOMAS J.

DESCRIPTOR: *ECOLOGY; *OUTDOOR EDUCATION; *TEACHING TECHNIQUES; *WASTES

JOURNAL CITATION: COMMUNICATOR; 3; 3; 28-9

ACCESSION NUMBER: EJ067768

PUBLICATION DATE: OCT 72

TITLE: OUTDOOR EDUCATION

PERSONAL AUTHOR: HOPKINS, R. O.

DESCRIPTOR: AFTER SCHOOL ACTIVITIES; *ENVIRONMENTAL EDUCATION; *FIELD INSTRUCTION; FIELD TRIPS; LEISURE TIME; *OUTDOOR EDUCATION; *RECREATIONAL ACTIVITIES; *SCIENCE EDUCATION

AUTHOR DEFINES OUTDOOR EDUCATION AS UNITING FIELD WORK IN THE NATURAL SCIENCES WITH LEISURE PURSUITS WHICH HAVE EDUCATIONAL BENEFITS; HE DISCUSSES THE VALUE AND HAZARDS OF AN OUTDOOR EDUCATION PROGRAM. (SP)

JOURNAL CITATION: TRENDS IN EDUCATION; 28; 28-32

ACCESSION NUMBER: EJ067805

PUBLICATION DATE: NOV 72

TITLE: COMMUNITY EDUCATION VIGNETTES

PERSONAL AUTHOR: TASSE, LOU; AND OTHERS

DESCRIPTOR: *ADULT EDUCATION; CITIZEN PARTICIPATION; *COMMUNITY EDUCATION; *EDUCATIONAL PHILOSOPHY; INSTRUCTIONAL MEDIA; *OUTDOOR EDUCATION; *SCHOOL COMMUNITY RELATIONSHIP; SCHOOL PLANNING; URBAN EDUCATION; WOMENS EDUCATION

PRESENTS SHORT ESSAYS BY 20 PERSONS WHO ARE EACH INTIMATELY INVOLVED WITH SOME PHASE OF COMMUNITY EDUCATION. VIGNETTES RANGE FROM SINGLE-FRAME PICTURES OF COMMUNITY EDUCATION IN ACTION TO EDITORIALS AND STATEMENTS OF PHILOSOPHY. (AUTHOR/JH)

JOURNAL CITATION: PHI DELTA KAPPAN; 54; 3; 182-191

ACCESSION NUMBER: EJ068115

PUBLICATION DATE: DEC 72

TITLE: OPERATION TURN ON

DESCRIPTOR: CAMPING; *GRADE 11; *OUTDOOR EDUCATION; PARENT REACTION; *PHYSICAL FITNESS; PROGRAM DESCRIPTIONS; *SELF ESTEEM; *STUDENT EXPERIENCE; STUDENT INTERESTS

A PROGRAM INITIATED BY BOB GILLETTE, ENGLISH TEACHER AT ANDREW WARDE HIGH SCHOOL, FAIRFIELD, CONNECTICUT, IN WHICH STUDENTS DEVELOP SELF ESTEEM AND POSITIVE ATTITUDES BY TAKING PART IN OUTDOOR EXPERIENCES. (CB)

JOURNAL CITATION: TODAY'S EDUCATION; 61; 9; 12-4

ACCESSION NUMBER: EJ069573

PUBLICATION DATE: F 72

TITLE: INTERVIEW WITH A BRITON

PERSONAL AUTHOR: BURN, ALAN; AND OTHERS

DESCRIPTOR: ELEMENTARY EDUCATION; *ENVIRONMENTAL EDUCATION; *FIELD STUDIES; HIGHER EDUCATION; *OUTDOOR EDUCATION; *PROGRAM EVALUATION; *QUESTION ANSWER INTERVIEWS; SECONDARY EDUCATION

MAJOR DIFFERENCES AND SIMILARITIES BETWEEN OUTDOOR EDUCATION IN GREAT BRITAIN AND THE U.S. ARE DISCUSSED. (FF)

JOURNAL CITATION: JOURNAL OF OUTDOOR EDUCATION; 7; 1; 9-17

ACCESSION NUMBER: EJ069775

PUBLICATION DATE: F 72

TITLE: PLANNING CAN SAVE "OUR GREAT GOOD PLACES."

PERSONAL AUTHOR: MOHR, CHARLES E.

DESCRIPTOR: ECOLOGICAL FACTORS; *ENVIRONMENTAL TECHNICIANS; *OUTDOOR EDUCATION; *PARKS; PHYSICAL ENVIRONMENT; *PLANNING (FACILITIES); *RECREATIONAL FACILITIES

THIRD ANNUAL TAFT CAMPUS OUTDOOR EDUCATION AWARD LECTURE, BASED ON THE AUTHOR'S PRESENTATIONS AT LAREDO TAFT FIELD CAMPUS, UNIVERSITY OF NORTHERN ILLINOIS, JULY 10-12, 1972. (FF)

JOURNAL CITATION: JOURNAL OF OUTDOOR EDUCATION; 7; 1; 3-8

ACCESSION NUMBER: EJ070571

PUBLICATION DATE: NOV 72

TITLE: GEOGRAPHY AND ORIENTEERING

PERSONAL AUTHOR: ADAMS, W. P.

DESCRIPTOR: *GEOGRAPHY INSTRUCTION; LEARNING ACTIVITIES; *MAP SKILLS; OUTDOOR EDUCATION; TEACHING TECHNIQUES

IDENTIFIER: *CARTOGRAPHY; ORIENTEERING

ORIENTEERING IS A RAPIDLY GROWING SPORT, DEVELOPED IN SWEDEN, WHICH HAS GREAT POSSIBILITIES FOR EDUCATION IN GEOGRAPHY. IT CAN BE CONCEIVED AS AN ORGANIZING DEVICE FOR OUTDOOR WORK AND AS A BASIS FOR DEVELOPING MAP SKILLS AND FOR MAP CONSTRUCTION. (AUTHOR)

JOURNAL CITATION: JOURNAL OF GEOGRAPHY; 7; 8; 473-480

ACCESSION NUMBER: EJ072960

PUBLICATION DATE: JAN 73

TITLE: CONSERVATION AND THE SCHOOLS

PERSONAL AUTHOR: BEAL, W. K.

DESCRIPTOR: BEHAVIOR DEVELOPMENT; CONCEPT FORMATION; CONSERVATION EDUCATION; DECISION MAKING SKILLS; *EDUCATIONAL OBJECTIVES; *ENVIRONMENTAL EDUCATION; OUTDOOR EDUCATION; *PRIMARY EDUCATION; *SCHOOL ROLE; *SECONDARY EDUCATION

THIS ARTICLE DISCUSSES THE WAYS IN WHICH ENVIRONMENTAL STUDIES ARE BEING INTRODUCED INTO PRIMARY AND SECONDARY SCHOOLS. (AUTHOR)

JOURNAL CITATION: TRENDS IN EDUCATION; 29; 27-32

ACCESSION NUMBER: EJ073273

PUBLICATION DATE: JAN 73

TITLE: THE GRASSHOPPER THAT COMMITTED SUICIDE--AND WHAT HE MEANS TO YOU

PERSONAL AUTHOR: CROWLEY, CLAUDE D.

DESCRIPTOR: CLASSROOM OBSERVATION TECHNIQUES; CLASSROOM RESEARCH; CLASSROOMS; *INSTRUCTION; *LABORATORY TECHNIQUES; *OUTDOOR EDUCATION; *SCIENCE ACTIVITIES; SCIENCE EDUCATION

AN OUTDOOR CLASSROOM APPROACH IS DISCUSSED UTILIZING RESOURCE PEOPLE (SUCH AS CONSERVATIONISTS AND FARMERS). SEVERAL IDEAS FOR DEVELOPING EFFECTIVE SESSIONS ARE INCLUDED. (DF)

JOURNAL CITATION: SCIENCE TEACHER; 40; 1; 28-29

ACCESSION NUMBER: EJ074330

PUBLICATION DATE: W 73

TITLE: CAMP TYLER: A LIVING-LEARNING LABORATORY

PERSONAL AUTHOR: RICHARDSON, W. D.; DUDLEY, JAMES E.

DESCRIPTOR: *COMPREHENSIVE PROGRAMS; *COUNSELOR EDUCATORS; ECOLOGY; ELEMENTARY EDUCATION; *FACILITIES; *OUTDOOR EDUCATION; PUBLIC SCHOOLS; *SCHOOL COMMUNITY PROGRAMS; SECONDARY EDUCATION

IDENTIFIER: TEXAS

CAMP TYLER, A COMPREHENSIVE EDUCATIONAL FACILITY, SERVES THE PUBLIC SCHOOLS DURING THE SCHOOL YEAR AND OTHER ORGANIZATIONS DEDICATED TO CHILDREN DURING THE SUMMER MONTHS. DURING THEIR STAY AT THE FACILITY, STUDENTS HAVE AN OPPORTUNITY TO BECOME INVOLVED WITH AND BETTER UNDERSTAND THEIR ENVIRONMENT AND THEIR PEERS. (AUTHOR/JN)

JOURNAL CITATION: CATALYST FOR CHANGE; 2; 1; 2-5

ACCESSION NUMBER: EJ074455

PUBLICATION DATE: APR 73

TITLE: ...IN A CITY

PERSONAL AUTHOR: KRONENBERG, JEAN-PAUL; PAUL, GRACE

DESCRIPTOR: *ECOLOGICAL FACTORS; EDUCATIONAL INNOVATION; ELEMENTARY SCHOOL STUDENTS; *ENVIRONMENTAL EDUCATION; OUTDOOR EDUCATION; *POLLUTION; *PROBLEM SOLVING; SCHOOL COMMUNITY RELATIONSHIP; *URBAN ENVIRONMENT

STUDENTS IN BROOKLYN, NEW YORK STUDY POLLUTION IN TERMS OF THEIR SCHOOL, HOME, AND NEIGHBORHOOD ENVIRONMENTS, AND A SUPERTEACHER IN A TRAVELING CLASSROOM EXPLORES URBAN ENVIRONMENT PROBLEMS WITH KIDS IN AUSTIN, TEXAS. (AUTHOR)

JOURNAL CITATION: INSTRUCTOR; 82; 8; 46

ACCESSION NUMBER: EJ074456

PUBLICATION DATE: APR 73

TITLE: YOU AND ME IN A COURTYARD

PERSONAL AUTHOR: JENNINGS, MARGARET

DESCRIPTOR: CLASS ACTIVITIES; *CURRICULUM DEVELOPMENT; *EDUCATIONAL INNOVATION; *ELEMENTARY SCHOOL STUDENTS; *ENVIRONMENTAL EDUCATION; *OUTDOOR EDUCATION; STUDENT EXPERIENCE

STUDENTS AND TEACHERS IN WICHITA, KANSAS TURNED WHAT WOULD HAVE BEEN "DEAD SPACE" INTO AN OUTDOOR CLASSROOM THEY CALL THEIR ANIMAL-VEGETABLE-MINERAL COURTYARD. (AUTHOR)

JOURNAL CITATION: INSTRUCTOR; 82; 8; 47-8

ACCESSION NUMBER: EJ074458

PUBLICATION DATE: APR 73

TITLE: YOU AND ME AT AN ENVIRONMENTAL COMPLEX

PERSONAL AUTHOR: GEARHART, DALE

DESCRIPTOR: COMMUNITY INVOLVEMENT; *ELEMENTARY SCHOOL STUDENTS; *ENVIRONMENTAL EDUCATION; ENVIRONMENTAL RESEARCH; *OUTDOOR EDUCATION; *STUDENT EXPERIENCE; *STUDENT MOTIVATION

DISCUSSES THE DEVELOPMENT OF AN ENVIRONMENTAL STUDIES CENTER, WHICH PROVIDES OPPORTUNITIES FOR STUDENTS TO LEARN ABOUT ALL ASPECTS OF THE ENVIRONMENT. (RK)

JOURNAL CITATION: INSTRUCTOR; 82; 8; 52-3

ACCESSION NUMBER: EJ074903

PUBLICATION DATE: MAR 73

TITLE: MICROECOLOGY: A DISCOVERY-ORIENTED FIELD ACTIVITY

PERSONAL AUTHOR: WITHINGTON, JANICE J.

DESCRIPTOR: ECOLOGY; *ELEMENTARY SCHOOL SCIENCE; *ENVIRONMENTAL EDUCATION; FIELD INSTRUCTION; *FIELD TRIPS; INSTRUCTION; *INSTRUCTIONAL MATERIALS; LEARNING ACTIVITIES; *OUTDOOR EDUCATION; SCIENCE ACTIVITIES

JOURNAL CITATION: SCIENCE AND CHILDREN; 10; 6; 15-17

ACCESSION NUMBER: EJ075032

PUBLICATION DATE: APR 73

TITLE: YOU AND ME IN THE MINI-WORLD

PERSONAL AUTHOR: HYER, JAMES G.; HYER, MILDRED D.

DESCRIPTOR: BIOLOGY; *CLASS ACTIVITIES; *DISCOVERY LEARNING; *ENVIRONMENTAL EDUCATION; OUTDOOR EDUCATION; *SAMPLING; *STUDENT MOTIVATION

STUDENTS LEARN TO UNDERSTAND THE ENVIRONMENT AND DISCOVER THE WORLD OF TINY CREATURES BENEATH THEIR FEET. (RK)

JOURNAL CITATION: INSTRUCTOR; 82; 8; 44-5

ACCESSION NUMBER: EJ075905

PUBLICATION DATE: MAY 73

TITLE: CHALLENGE

PERSONAL AUTHOR: BOUCHARD, FRED

DESCRIPTOR: *ADOLESCENTS; CAMP COUNSELORS; *CAMPING; FIELD INSTRUCTION; *LEARNING DISABILITIES; MARINE BIOLOGY; *OUTDOOR EDUCATION; *SELF ESTEEM; VALUES

DESCRIBES AN OUTDOOR EDUCATION PROGRAM DESIGNED FOR ADOLESCENT BOYS WITH LEARNING DISABILITIES. (AUTHOR/RK)

JOURNAL CITATION: INDEPENDENT SCHOOL BULLETIN; 32; 4; 53-6

ACCESSION NUMBER: EJ075906

PUBLICATION DATE: MAY 73

TITLE: VOYAGEUR

PERSONAL AUTHOR: KIELSMEIER, JIM

DESCRIPTOR: CAMPING; CURRICULUM DEVELOPMENT; *DISADVANTAGED YOUTH; GROUP DYNAMICS; INSTRUCTOR COORDINATORS; *INTERCOMMUNICATION; *OUTDOOR EDUCATION; SOCIAL BACKGROUND; *STUDENT EXPERIENCE; *STUDENT PARTICIPATION

DESCRIBES AN OUTDOOR EDUCATION PROGRAM FOR STUDENTS FROM DIVERSE SOCIAL BACKGROUNDS AND HOW THEY LEARNED TO COOPERATE WITH ONE ANOTHER IN THEIR EXPLORATION OF THE WILDERNESS. (RK)

JOURNAL CITATION: INDEPENDENT SCHOOL BULLETIN; 32; 4; 57-8

ACCESSION NUMBER: EJ075938

PUBLICATION DATE: SPR 73

TITLE: REPORT OF RESEARCH. COLLEGE AND UNIVERSITY OUTDOOR EDUCATION CENTERS--PRESENT STATUS AND RECOMMENDATIONS FOR THE FUTURE

PERSONAL AUTHOR: PICK, DIANE CAROL

DESCRIPTOR: *COLLEGES; *EDUCATIONAL FACILITIES; NATURE CENTERS; *OUTDOOR EDUCATION; *PROGRAM DEVELOPMENT; SUPPLEMENTARY EDUCATIONAL CENTERS; *UNIVERSITIES

A FICTITIOUS COLLEGE OR UNIVERSITY OUTDOOR EDUCATION CENTER (BUILT ON AVERAGE RESPONSES FROM THE 10 PRESENT MAJOR CENTER DIRECTORS) IS PICTURED, AND RECOMMENDATIONS FOR A FUTURE IDEAL OUTDOOR EDUCATION CENTER ARE MADE. THE MATERIAL IS SUMMARIZED FROM A THESIS WRITTEN AT INDIANA UNIVERSITY FOR THE DOCTOR OF RECREATION DEGREE, 1972. (NQ)

JOURNAL CITATION: JOURNAL OF OUTDOOR EDUCATION; 7; 2; 15-20

ACCESSION NUMBER: EJ076018

PUBLICATION DATE: SPR 73

TITLE: OUTDOOR EDUCATION IN CANADA

PERSONAL AUTHOR: PASSMORE, JOHN H.

DESCRIPTOR: *ENVIRONMENTAL EDUCATION; *INTEGRATED CURRICULUM; *OUTDOOR EDUCATION; RELEVANCE (EDUCATION)

IDENTIFIER: *CANADA

JOURNAL CITATION: JOURNAL OF OUTDOOR EDUCATION; 7; 2; 9-13

ACCESSION NUMBER: EJ077397

PUBLICATION DATE: F 72

TITLE: MAMMAL SILHOUETTES NO. 1, THE KANSAS SCHOOL NATURALIST, VOLUME 19 NUMBER 1, OCTOBER, 1972

PERSONAL AUTHOR: BOLES, ROBERT J., ED.

DESCRIPTOR: *BIOLOGY; CONSERVATION EDUCATION; ENVIRONMENT; *ENVIRONMENTAL EDUCATION; NATURAL RESOURCES; *NATURAL SCIENCES; *OUTDOOR EDUCATION; *PERIODICALS; REFERENCE MATERIALS

IDENTIFIER: KANSAS

AN INSERT IN THIS ISSUE OF "NATURE STUDY," THIS QUARTERLY PERIODICAL ("THE KANSAS SCHOOL NATURALIST") IS FREE OF CHARGE TO KANSAS SCHOOL PERSONNEL, CONSERVATIONISTS, YOUTH LEADERS, AND OTHER ADULTS INTERESTED IN NATURE EDUCATION. THIS ISSUE FOCUSES ON MAMMALS AND CONTAINS GENERAL INFORMATION ABOUT THE MOOSE, ELK, MUSKOX, CAMEL, WALRUS, ETC. (LK)

JOURNAL CITATION: NATURE STUDY; 26; 3 INSERT; 1-8

ACCESSION NUMBER: EJ077621

PUBLICATION DATE: SPR 73

TITLE: OUTDOOR EDUCATION FOR EMOTIONALLY AND PHYSICALLY HANDICAPPED CHILDREN

PERSONAL AUTHOR: ROSENSTEIN, IRWIN

DESCRIPTOR: *EMOTIONALLY DISTURBED CHILDREN; *HANDICAPPED CHILDREN; *OUTDOOR EDUCATION; TEACHER WORKSHOPS; WORKSHOPS

IDENTIFIER: NEW YORK STATE

THE 3 PHASES OF A PLAN WHICH UTILIZES OUTDOOR EDUCATION AS THE PRIMARY LEARNING PROCESS FOR EMOTIONALLY HANDICAPPED CHILDREN AND YOUTHS ARE DESCRIBED. (NQ)

JOURNAL CITATION: COMMUNICATOR; 4; 2; 8-9

ACCESSION NUMBER: EJ077623

PUBLICATION DATE: SPR 73

TITLE: ...THEN STEP ASIDE

PERSONAL AUTHOR: TRIMM, LYNN

DESCRIPTOR: *EDUCATIONAL ENVIRONMENT; *ELEMENTARY SCHOOL STUDENTS; *OUTDOOR EDUCATION; *TEACHING METHODS

JOURNAL CITATION: COMMUNICATOR; 4; 2; 28

ACCESSION NUMBER: EJ077624

PUBLICATION DATE: SPR 73

TITLE: HOMESTEADER'S SCHOOL

PERSONAL AUTHOR: GOLDING, GARY

DESCRIPTOR: *ACTIVITY LEARNING; ECONOMICS; EDUCATIONAL PROGRAMS; *OUTDOOR EDUCATION; *RURAL EDUCATION; *SKILL DEVELOPMENT

IDENTIFIER: *HOMESTEADER'S SCHOOL

JOURNAL CITATION: COMMUNICATOR; 4; 2; 49-53

ACCESSION NUMBER: EJ078431

PUBLICATION DATE: F 72

TITLE: GOOD READING FOR ENVIRONMENTAL EDUCATION AND INTERPRETATION

PERSONAL AUTHOR: MCCLUNG, R. M.

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; BOOKLISTS; *ENVIRONMENTAL EDUCATION; *NATURAL SCIENCES; OUTDOOR EDUCATION; *PERIODICALS; REFERENCE MATERIALS

JOURNAL CITATION: NATURE STUDY; 26; 3 INSERT; 8-9,14

ACCESSION NUMBER: EJ078613

PUBLICATION DATE: SPR 73

TITLE: STREAMS AND RIVERS, AN ECOLOGICAL CLASSROOM

PERSONAL AUTHOR: MOTH, WILLIAM

DESCRIPTOR: *ECOLOGICAL FACTORS; *EDUCATIONAL ENVIRONMENT; HISTORY; *OUTDOOR EDUCATION; *WATER RESOURCES

IDENTIFIER: *NEW YORK STATE

JOURNAL CITATION: COMMUNICATOR; 4; 2; 44-8

ACCESSION NUMBER: EJ078777

PUBLICATION DATE: SPR 73

TITLE: EXPLORING OLD CEMETERIES, AN OUTDOOR EDUCATION TECHNIQUE

PERSONAL AUTHOR: RILLO, THOMAS J.

DESCRIPTOR: *FIELD TRIPS; HISTORY; *OUTDOOR EDUCATION; SOCIAL STUDIES; *TEACHING TECHNIQUES

IDENTIFIER: *CEMETERIES

JOURNAL CITATION: COMMUNICATOR; 4; 2; 54-5

ACCESSION NUMBER: EJ079436

PUBLICATION DATE: JUN 73

TITLE: ON A PIECE OF PLYWOOD

PERSONAL AUTHOR: SMITH, ROBERT D.

DESCRIPTOR: *EQUIPMENT; *FIELD INSTRUCTION; *INSTRUCTION; *OUTDOOR EDUCATION; *TEACHING TECHNIQUES; SCIENCE ACTIVITIES; SCIENCE EDUCATION

JOURNAL CITATION: SCIENCE ACTIVITIES; 9; 5; 8-10

ACCESSION NUMBER: EJ079854

PUBLICATION DATE: JUN 73

TITLE: THE CASE OF THE RAVAGING COCCIDAE

PERSONAL AUTHOR: HOEHN, ROBERT G.

DESCRIPTOR: *BIOLOGY; *CLASS ACTIVITIES; *FIELD INSTRUCTION; *SCIENCE ACTIVITIES; *SECONDARY SCHOOL SCIENCE; INSTRUCTION; OUTDOOR EDUCATION; SCIENCE EDUCATION; SECONDARY GRADES

DESCRIBES A CLASS INVESTIGATION AS TO WHY SCALE INSECTS (FAMILY COCCIDAE) SHOULD ATTACK ONLY ONE OF THREE LIQUID AMBER TREES ON THE SCHOOL GROUNDS. (JR)

JOURNAL CITATION: SCIENCE ACTIVITIES; 9; 5; 11-13

ACCESSION NUMBER: EJ079856

PUBLICATION DATE: JUN 73

TITLE: MAKE A NATURE TRAIL

PERSONAL AUTHOR: JOHNSON, JANICE K.

DESCRIPTOR: *BIOLOGY; *FIELD INSTRUCTION; *OUTDOOR EDUCATION; *SCIENCE ACTIVITIES; *TRAILS; CLASS ACTIVITIES; ENVIRONMENTAL EDUCATION; INSTRUCTION; SCIENCE EDUCATION; TEACHING TECHNIQUES

DISCUSSES THE PLANNING, CONSTRUCTION, USE, AND MAINTENANCE OF A NATURE TRAIL. IDEAL FOR DEMONSTRATING INTERRELATIONSHIPS BETWEEN PLANTS AND ANIMALS, CONSERVATION PRACTICES, WILDLIFE MANAGEMENT, PLANT SUCCESSION, FORESTRY, GEOLOGIC FEATURES AND OTHER SCIENTIFIC PHENOMENA. (JR)

JOURNAL CITATION: SCIENCE ACTIVITIES; 9; 5; 26-28

ACCESSION NUMBER: EJ079893

PUBLICATION DATE: MAY 73

TITLE: A SUMMER SCIENCE COURSE THAT TAKES OVER WHERE REGULAR SCHOOL LEAVES OFF

PERSONAL AUTHOR: KONVOLINKA, THOMAS L.

DESCRIPTOR: *FIELD INSTRUCTION; *JUNIOR HIGH SCHOOLS; *OUTDOOR EDUCATION; *SCIENCE ACTIVITIES; *SUMMER SCIENCE PROGRAMS; EDUCATIONAL PROGRAMS; INSTRUCTION; SCIENCE EDUCATION; SECONDARY SCHOOL SCIENCE; TEACHING METHODS

JOURNAL CITATION: JOURNAL OF GEOLOGICAL EDUCATION; 21; 3; 134-135

ACCESSION NUMBER: EJ080242

PUBLICATION DATE: JUN 73

TITLE: STUDENTS BOOST THEMSELVES AT OUTWARD BOUND

PERSONAL AUTHOR: GOMOLAK, LOU

DESCRIPTOR: *INDIVIDUAL DEVELOPMENT; *STRESS VARIABLES; *INDIVIDUAL POWER; *OUTDOOR EDUCATION; *SELF ACTUALIZATION; PHYSICAL FITNESS; ENVIRONMENTAL INFLUENCES; STUDENT EXPERIENCE

IDENTIFIER: OUTWARD BOUND

SELF-DISCOVERY THROUGH SHARED ADVENTURE IS THE GOAL OF STUDENTS OF THE RUGGED OUTWARD BOUND WILDERNESS EXPERIENCE. (AUTHOR)

JOURNAL CITATION: NATION'S SCHOOLS; 91; 6; 46-48

ACCESSION NUMBER: EJ080342

PUBLICATION DATE: MAY 73

TITLE: NO TOMORROW FOR THE SCIENCE OF YESTERDAY--?

PERSONAL AUTHOR: FISHER, DONALD W.

DESCRIPTOR: *COMMUNITY RELATIONS; *CONSERVATION EDUCATION; *PALEONTOLOGY; *RESOURCE MATERIALS; *SCIENCE ACTIVITIES; FIELD INSTRUCTION; GEOLOGY; OUTDOOR EDUCATION; PHYSICAL SCIENCES; SCIENCE EDUCATION

PRESENTS A PLEA FOR THE CONSERVATION OF FOSSIL SITES OF VALUE TO PALEONTOLOGISTS. SUGGESTS PROPER BEHAVIOR AND PROCEDURES FOR COLLECTORS TO MAINTAIN GOOD RELATIONSHIPS WITH PROPERTY OWNERS, AND SOLUTIONS FOR CONSERVING THE FOSSIL RESOURCES. (JR)

JOURNAL CITATION: JOURNAL OF GEOLOGICAL EDUCATION; 21; 3; 121-125

ACCESSION NUMBER: EJ081144

PUBLICATION DATE: APR 73

TITLE: OUTDOOR RECREATION AND ENVIRONMENTAL ATTITUDES

PERSONAL AUTHOR: BARNHART, LLOYD

DESCRIPTOR: *ENVIRONMENTAL EDUCATION; *OUTDOOR EDUCATION; *RECREATIONAL ACTIVITIES; RECREATIONISTS; RECREATION; ENVIRONMENT

OUTDOOR EDUCATION CAN PLAY A MEANINGFUL ROLE IN THE DEVELOPMENT OF POSITIVE ENVIRONMENTAL ATTITUDES. (AUTHOR/JA)

JOURNAL CITATION: PARKS AND RECREATION; 8; 4; 48-9,70-2

ACCESSION NUMBER: EJ081310

PUBLICATION DATE: MAY 73

TITLE: CAMPING FOR THE PHYSICALLY HANDICAPPED: A RATIONALE AND APPROACH

PERSONAL AUTHOR: ROBB, GARY M.

DESCRIPTOR: *EXCEPTIONAL CHILD EDUCATION; *PHYSICALLY HANDICAPPED; *CAMPING; *OUTDOOR EDUCATION; REGULAR CLASS PLACEMENT; EDUCATIONAL PROGRAMS

JOURNAL CITATION: REHABILITATION LITERATURE; 34; 5; 130-3

ACCESSION NUMBER: EJ081788

PUBLICATION DATE: MAR 73

TITLE: QUASI-WILDERNESS

PERSONAL AUTHOR: JUBENVILLE, ALAN; WOOD, TERRY L.

DESCRIPTOR: *OUTDOOR EDUCATION; *TRAILS; *CAMPING; ENVIRONMENTAL EDUCATION

THE IDEA BEHIND QUASI-WILDERNESS HIKING IS TO OFFER TRAIL OPPORTUNITIES BEYOND THE HIGH DENSITY, HIGHLY DEVELOPED RECREATIONAL SITE. (AUTHORS/JA)

JOURNAL CITATION: PARKS AND RECREATION; 8; 3; 38-43,48

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